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6750	1392482	Keybutton B/M United States
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6750	1392485	Keybutton B/M Canada (English)
QW8		
6750	1392486	Keybutton B/M United States
6750	1392487	Keybutton B/M Canada (Bilingual) Symbol
6750	1392488	Keybutton B/M Canada (English) Symbol
Sys 20/40		
6770/6780	1392489	Keybutton B/M United States
6770/6780	1392490	Keybutton B/M Canada (Bilingual)
6770/6780	1392491	Keybutton B/M Canada (English)
All	1392492	Spacebar Kit (1 space bar and 2 bails)

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Lexington
87-02-25
Revised 87-04-22

New Individual Part Numbers

Machines Affected

6746, 6747, 6750, 6770, 6780

General Information

The following parts for the Selectric® System/2000 family are now available as individual part numbers. Previously, these parts were components of larger field replaceable units.

Parts Information

Mech/Ref	Part No.	Description
520/12	1339146	Transport Pulley
350/16	1342116	Sound Hood Pivot RH
350/17	1342117	Sound Hood Pivot LH
500/4	1337009	Homing Sensor (Wheelwriter® only)
500/9	1339338	Cardholder ("Wheelwriter" only)
230/16B	1337058	Paper Bail Arm RH

Please make these changes to your Maintenance Library.

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Lexington
87-07-01

Ribbon Lift Failure/Inability to Hold Adjustment

Machines Affected

6746, 6747

General Information

Slippage of the motor shaft in relation to the rotor may occur on ribbon lift motors in the approximate serial number range shown below. The machine symptom usually appears as ribbon lift failures, inability of the machine to hold the ribbon lift adjustment, or binds in the motor.

New machines manufactured in the approximate serial number ranges may be affected:

Mach Type	Description	Org	Serial Number Range
6746	Wheelwriter 3	11	0735496 - 0746885
6747	Wheelwriter 5	11	0681447 - 0686860
6747	Wheelwriter 6	11	6079067 - 6087423

The ribbon lift motor is a field replaceable part. If you are experiencing a ribbon lift failure, the following procedure should be followed:

1. Ensure that all ribbon lift adjustments are correct.
2. If ribbon lift adjustments do not resolve the problem, replace the ribbon lift motor.

Parts Information

Mech/Ref		Part No.	Description
510	13	1384074	Ribbon Lift Motor

Use applicable Service Code.

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84-11-26
Revised 87-08-12

IBM Selectric® System/2000

Machines Affected

6746

General Information

The IBM "Selectric" System/2000 consists of five general purpose typewriters, the Wheelwriter® 3, "Wheelwriter" 5, "Wheelwriter" 6, Quietwriter® 7, and the "Quietwriter" 8 Typewriters. The "Wheelwriter" 3, "Wheelwriter" 5, and "Wheelwriter" 6 are impact printers using printwheel technology. The "Quietwriter" 7 and "Quietwriter" 8 are non-impact printers using a Resistive Ribbon Thermal Transfer technology. The "Selectric" System/2000 offers the customer a wide range of options as a system of independent workstations.

All IBM "Selectric" System/2000 typewriters and associated options are customer set-up (CSU).

Customer Assistance

Customer assistance for setup, operation, and problem determination is available by calling IBM Direct, toll free, at 1-800-IBM-2468. If requested, NSD will install machines and features at the prevailing per call rate (one hour minimum).

Standard Features

IBM "Wheelwriter" 3 Typewriter:

- Semi-Automatic Paper Insertion
- Keyboard Paper Movement Control
- Automatic Pitch Selection
- Automatic Impression Selection
- Automatic Underscore
- Automatic Centering
- 72-Character Correction Buffer (one line)
- Half Space
- Caps Lock
- 3-Position Keyboard
- 10, 12, and 15 Pitch
- 16 CPS Printout (max)
- Forward/Reverse/Micro Indexing.

IBM "Wheelwriter" 5 Typewriter (All "Wheelwriter" 3 features plus):

- Automatic Carrier Return
- Proportional Spacing
- Unit Backspace
- 200-Character (approx.) Correction Buffer
- Sub/Superscript
- Relocate
- Multilingual Keyboard
- Format Storage
- 7000 Character (approx.) Memory
- Playout—Automatic and by Character
- 99-Memory Address Locations
- Limited Revision Capability
- One-Year Memory Protection (operator replaceable batteries)
- Margin Indent
- Decimal Tab.

IBM "Wheelwriter" 6 Typewriter (All "Wheelwriter" 5 features plus):

- Word Underscore
- Directory
- Form Storage
- Margin Return
- Justification
- 31000-Character Memory.

IBM "Quietwriter" 7 Typewriter (All "Wheelwriter" 5 features plus):

- Electronic Fonts
- Print Expand (double width print)
- Single Ribbon for Print and Correction
- Quiet, Non-Impact Print Technology.

IBM "Quietwriter" 8 Typewriter (All "Quietwriter" 7 features plus):

- Word Underscore
- Directory
- Form Storage
- Margin Return
- Justification
- 31000-Character Memory.

Optional Features

Feature Adapter Option: The Feature Adapter Option must be installed to accomodate all the optional features (except the Soundhood).

Printer Option: The Printer Option attaches the typewriter to IBM Personal Computers or other equipment manufacturer personal computers utilizing a parallel interface compatible with the IBM Personal Computer Interface. The Printer Cable is the customer's responsibility.

Spell Check Option: The Spell Check Option is an interactive dictionary verifying the spelling of the equivalent of approximately 50,000 U.S.A. words commonly used in business. In addition, it contains a supplemental dictionary of approximately 300 words (battery

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backed-up) that users can fill with words unique to their particular application or industry.

Display Option: The Display Option is a cable-connected, 24-character liquid crystal display. It enhances typewriter usability by allowing errors to be detected before they are printed. Used in conjunction with the 7,000 character memory, it greatly enhances revision usability (not available on the "Wheelwriter" 3).

Display/Printer Option: The Display/Printer Option is a combination module that includes all of the features and functions of the separate Printer Option and Display Option. It is required when installing both the Printer and Display or all three options (not available on the "Wheelwriter" 3).

Soundhood Option: An acoustical soundhood is available for all the "Selectric" System/2000 Typewriters.

Special Features

Battery Backup: Three 1.5 volt alkaline batteries (included with the typewriter) protect the memory for approximately one year (no memory on "Wheelwriter" 3). Replacement of the batteries is the customer's responsibility.

Multilingual Keyboard: Twelve alternate language keyboards and three special application keyboards are operator selectable (not available on "Wheelwriter" 3). The proper printwheel/font must be used when selecting an alternate keyboard.

Machine Type/Models

	Machine Type	Model
IBM "Wheelwriter" 3	6746	001
IBM "Wheelwriter" 5	6747	001
IBM "Wheelwriter" 6	6747	005
IBM "Quietwriter" 7	6750	001
IBM "Quietwriter" 8	6750	005

Machine Identification

The following is stamped inside the machine, on the left-hand bottom of the IBM "Selectric" System/2000 Typewriter:

Machine Type Code	Plant of Manufacture	Serial Number
6746	11	0000001-9999999
6746	11	3000000-3999999
6747	11	0000001-9999999
6750	11	0000001-9999999

Supplies

The following supplies are available for the IBM "Selectric" System/2000:

6746/6747

- IBM Easystrike® Correctable Ribbon Cassette
- IBM "Easystrike" Multipurpose Ribbon Cassette
- IBM "Easystrike" Fabric Ribbon
- IBM "Easystrike" Lift Off Tape Cassette
- IBM "Easystrike" Cover Up Tape Cassette
- IBM Cartridge Printwheel® II.

6750

- IBM Quiet™ Correcting Ribbon
- IBM "Quiet" High Density Correcting Ribbon
- IBM "Quiet" Non-Correcting Ribbon
- IBM "Quiet" Electronic Fonts
- IBM "Quiet" Printhead
- IBM "Quiet" Cleaning Cartridge.

The operator is responsible for diagnosing to and replacing all supplies.

The IBM "Quiet" printhead is a customer replaceable supply item with an average life of two years.

The IBM "Quiet" printhead may become dirty through normal use. When this happens, print quality may become degraded. By installing the cleaning cartridge and depressing "Code + W", a "clean" operation is initiated. One cleaning cartridge is shipped with the typewriter.

Warranty

The IBM "Selectric" System/2000 family of typewriters will be marketed by IBM and through Authorized IBM Typewriter Dealers. New machine warranty period for these machines is three months. On-site warranty service will be provided by IBM NSD CEs if the machine is purchased directly from IBM. Warranty service on machines purchased from Authorized IBM Typewriter Dealers will be rendered by Authorized Dealer Technicians.

Service Offerings

Post-warranty service for the IBM "Selectric" System/2000 typewriters is available under the terms and conditions of the IBM Maintenance Agreement II contract. Retainer Plan maintenance is not available. Time and Materials (per call) is available in all areas.

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Preventive Maintenance

There is no scheduled preventive maintenance. General cleaning and lubrication should be done at the time of a service call.

Tools And Test Equipment

The following tools are required to service the IBM "Selectric" System/2000:

Part No.	Description
9900008	Basic Tool Set
9900167	Triplett Meter
4760541	No. 1 Supadriv* Screwdriver
4760542	No. 2 Supadriv* Screwdriver
1341046	Wrap Plug
1749242	7mm Wrench

* Registered Trademark of GNK Screws and Fasteners, Ltd.

The IBM "Selectric" System/2000 products are metric.

Spare Parts

Part Returns

The following list of parts are ETN parts and must be returned.

Part No.	Description
1384991	Printer Board
1384051	Printer Board ("Wheelwriter" 3, level 1)
1384283	Printer Board ("Wheelwriter" 3, level 2)
1384131	Printer Board ("Wheelwriter" 5, level 1)
1384296	Printer Board ("Wheelwriter" 5, level 2) and ("Wheelwriter" 6)
1384211	Printer Board ("Quietwriter" 7) and ("Quietwriter" 8)
1384052	Function Board ("Wheelwriter" 3, level 1)
1384282	Function Board ("Wheelwriter" 3, level 2)
1384378	Function Board ("Wheelwriter" 5, level 1)
1384295	Function Board ("Wheelwriter" 5, level 2)
1384646	Function Board ("Wheelwriter" 6)
1384561	Function Board ("Quietwriter" 7)
1384681	Function Board ("Quietwriter" 8)

Field Documentation

Form No.	Description
S544-4047	6746/6747 Maintenance Library
S544-4050	6750 Maintenance Library

Specifications

Machine Weight and Dimensions

IBM "Wheelwriter" 3, 5, and 6

Overall Width	544 mm (21.4 in)
Overall Depth	457 mm (18.0 in)
Overall Height	167 mm (6.6 in)
Weight	15.0 kg (33.0 lb)
Weight (packaged)	21.4 kg (47.0 lb)
Paper Capacity	420 mm (16.5 in)
Writing Line Capacity	335 mm (13.2 in)

IBM "Quietwriter" 7 and 8

Overall Width	544 mm (21.4 in)
Overall Depth	457 mm (18.0 in)
Overall Height	167 mm (6.6 in)
Weight	12.3 kg (27.0 lb)
Weight (packaged)	18.6 kg (41.0 lb)
Paper Capacity	420 mm (16.5 in)
Writing Line Capacity	335 mm (13.2 in)

Print Speed

16 cps (max)

Electrical Data

Voltage	115V AC (± 10%)
Frequency	60 Hz (± 5%)
Line Cord	3-Wire Grounded Cord

Power Consumption and Current Draw

6746/6747

	Watts	BTU/Hr	AC Current Draw
Operating	53	180	580 ma
Idle	35	120	390 ma

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	6750		
Operating	104	355	1045 ma
Idle	35	120	540 ma

Environment

The IBM "Quietwriter" 7 and "Quietwriter" 8 utilize a unique print technology which requires the operator to properly set a print/erase control and a single/double strike correction control. An operator-initiated print test is available to aid this procedure. By depressing "Code + F", the machine will automatically print and erase at five different print/erase levels. The operator can view the printout and set the print/erase controls for optimum quality.

"Quietwriter" print technology is affected by heat and humidity. In hot, humid conditions, correction performance may be degraded. In cold, dry conditions, print may become lighter. Both conditions may be accomodated by the operator using the print test and adjusting the print/erase control to match the environmental conditions.

Print and correction quality cannot be guaranteed outside the limits of the operating range.

The IBM "Selectric" System/2000 Typewriters are designed to operate in the following environment:

Temperature Range	50°F to 95° F
Humidity Range	8% to 80%

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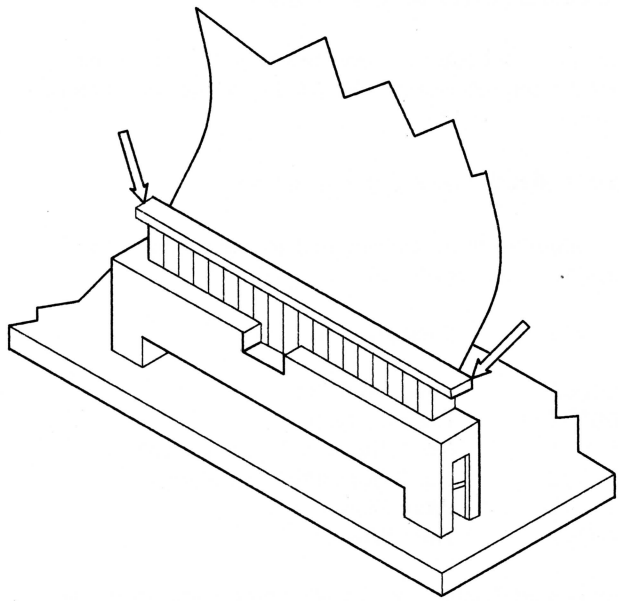
Lexington
84-11-26

ZIF Connector Operation

The keyboard connectors on the Function Board, used to attach the Keyboard Printed Circuit Membrane, will be changed to Zero Insertion Force (ZIF) connectors. To remove the membrane, open the ZIF connector by lifting the two extensions at each end of the connector (Figure 1). After inserting the membrane, close the connector by pressing down on the extensions until they are fully seated.



LEX40900

Figure 1

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84-11-26
Revised 85-05-22

Cardholder Redesigned

Machines Affected

Plant installed above approximately S/N: Type 6746, 0040000, Type 6747, 0040000.

General Information

If experiencing print smearing on small envelopes or tab cards, replace with redesigned cardholder.

Note: Part number and adjustments remain the same.

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QW7		
6750	1392482	Keybutton B/M United States
6750	1392483	Keybutton B/M Canada (Bilingual)
6750	1392485	Keybutton B/M Canada (English)
QW8		
6750	1392486	Keybutton B/M United States
6750	1392487	Keybutton B/M Canada (Bilingual) Symbol
6750	1392488	Keybutton B/M Canada (English) Symbol
Sys 20/40		
6770/6780	1392489	Keybutton B/M United States
6770/6780	1392490	Keybutton B/M Canada (Bilingual)
6770/6780	1392491	Keybutton B/M Canada (English)
All	1392492	Spacebar Kit (1 space bar and 2 bails)

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Lexington
87-02-25
Revised 87-04-22

New Individual Part Numbers

Machines Affected

6746, 6747, 6750, 6770, 6780

General Information

The following parts for the Selectric® System/2000 family are now available as individual part numbers. Previously, these parts were components of larger field replaceable units.

Parts Information

Mech/Ref	Part No.	Description
520/12	1339146	Transport Pulley
350/16	1342116	Sound Hood Pivot RH
350/17	1342117	Sound Hood Pivot LH
500/4	1337009	Homing Sensor (Wheelwriter® only)
500/9	1339338	Cardholder ("Wheelwriter" only)
230/16B	1337058	Paper Bail Arm RH

Please make these changes to your Maintenance Library.

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Lexington
87-07-01

Ribbon Lift Failure/Inability to Hold Adjustment

Machines Affected

6746, 6747

General Information

Slippage of the motor shaft in relation to the rotor may occur on ribbon lift motors in the approximate serial number range shown below. The machine symptom usually appears as ribbon lift failures, inability of the machine to hold the ribbon lift adjustment, or binds in the motor.

New machines manufactured in the approximate serial number ranges may be affected:

Mach Type	Description	Org	Serial Number Range
6746	Wheelwriter® 3	11	0735496 - 0746885
6747	"Wheelwriter" 5	11	0681447 - 0686860
6747	"Wheelwriter" 6	11	6079067 - 6087423

The ribbon lift motor is a field replaceable part. If you are experiencing a ribbon lift failure, the following procedure should be followed:

1. Ensure that all ribbon lift adjustments are correct.
2. If ribbon lift adjustments do not resolve the problem, replace the ribbon lift motor.

Parts Information

Mech/Ref	Part No.	Description
510 13	1384074	Ribbon Lift Motor

Use applicable Service Code.

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87-08-26

Revised Maintenance Library - F/N S544-4047

Machines Affected

6746 3000000 - 3999999

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General Information

A revised Wheelwriter® maintenance library must be ordered for servicing "Wheelwriter" 3 typewriters in this serial number range. This range of serial numbers was placed in production 8/87. The new maintenance library incorporates all updates to the existing "Wheelwriter" 3 and "Wheelwriter" 5 maintenance libraries.

The new "Wheelwriter" typewriter maintenance library must be used to service all "Wheelwriter" typewriters.

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84-11-26

IBM "Selectric"® System/2000

General Information

The IBM "Selectric" System/2000 consists of three general purpose typewriters, the IBM "Wheelwriter"™ 3, IBM "Wheelwriter"™ 5 and the IBM "Quietwriter"® 7 Typewriters. The IBM "Wheelwriter" 3 and "Wheelwriter" 5 are impact printers using printwheel technology. The IBM "Quietwriter" 7 is a non-impact printer using a new Resistive Ribbon Thermal Transfer technology. The "Selectric" System/2000 offers the customer a wide range of options as a system of independent work stations.

All IBM "Selectric" System/2000 typewriters and associated optional features are customer set-up (CSU).

Customer Assistance

Customer assistance for set-up, operation and problem determination is available by calling IBM Direct, toll free, at 1-800-IBM-2468. If requested, NSD will install machines and features at the prevailing per call rate (one hour minimum).

Standard Features

IBM "Wheelwriter" 3 Typewriter:

- Semi-Automatic Paper Insertion
- Keyboard Paper Movement Control
- Automatic Pitch Selection
- Automatic Impression Selection
- Automatic Underscore
- Automatic Centering
- 72 Character Correction Buffer(one line)
- Half Backspace
- Caps Lock
- 3-Position Keyboard
- 10, 12, and 15 Pitch
- 16 CPS Printout (max)
- Forward/Reverse/Micro Indexing

IBM "Wheelwriter" 5 Typewriter (All "Wheelwriter" 3 features plus):

- Automatic Carrier Return
- Proportional Spacing
- Unit Backspace
- 200 Character (approx.) Correction Buffer
- Sub/Superscript
- Relocate
- Multi-Lingual Keyboard
- Format Storage
- 7000 Character (approx.) Memory
- Playout-Automatic and by Character
- 99-Memory Address Locations
- Limited Revision Capability
- One-Year Memory Protection (operator replaceable batteries)
- Margin Indent
- Decimal Tab

IBM "Quietwriter" 7 Features (All "Wheelwriter" 5 features plus):

- Electronic Fonts
- Print Expand (double width print)
- Single Ribbon for Print and Correction
- Quiet, non-impact print technology

Optional Features

Feature Adapter Option: The Feature Adapter Option must be installed to accommodate the optional features (except the soundhood).

Printer Option: The Printer Option attaches the typewriter to IBM Personal Computers or other equipment manufacturer personal computers utilizing a parallel interface compatible with the IBM Personal Computer Interface. The printer cable is the customer's responsibility.

Spell Check Option: The Spell Check Option is an interactive dictionary verifying the spelling of the equivalent of approximately 50,000 U.S. words commonly used in business. In addition, it contains an approximate 300 word supplemental dictionary (battery backed-up) that users can fill with words unique to their particular application or industry.

Display Option: The Display Option is a cable connected 24 character liquid crystal display. It enhances typewriter usability by allowing errors to be detected before they are printed. Used in conjunction with the approximate 7,000 character memory it greatly enhances revision usability (available only on the "Wheelwriter" 5 and "Quietwriter" 7).

Display/Printer Option: The Display/Printer Option is a combination module that includes all of the features and functions of the separate printer option and display option. It is required when installing both the printer and display or all three options (available only on the "Wheelwriter" 5 and the "Quietwriter" 7).

Soundhood Option: An acoustical soundhood is available for these products.

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Special Features

Battery Backup: Three 1.5 volt alkaline batteries (included with the typewriter) protect the memory for approximately one year ("Wheelwriter" 5 and "Quietwriter" 7 only). Replacement of the batteries is the customer's responsibility.

Multi-Lingual Keyboard: Twelve alternate language keyboards and three special application keyboards are operator selectable. ("Wheelwriter" 5 and the "Quietwriter" 7 only). The proper printwheel/font must be used when selecting an alternate keyboard.

Machine Type/Models

	Machine Type	Model
IBM "Wheelwriter" 3	6746	001
MES upgrade "Wheelwriter" 3 to "Wheelwriter" 5	6746	010
IBM "Wheelwriter" 5	6747	001
IBM "Quietwriter" 7	6750	001

Machine Identification

The following is stamped inside the machine, on the left hand bottom cover of all IBM "Selectric" System/2000 Typewriters:

Machine Type Code	Plant of Manufacture	Serial Number
6746	11	0000001 - 9999999
6747	11	0000001 - 9999999
6750	11	0000001 - 9999999

Upgrade MES

"Wheelwriter" 3 can be upgraded to a "Wheelwriter" 5 via an MES. Labor is included in the price of the MES. When an upgrade is performed, the CSR must notify Branch Office Administration of the installation to ensure the model number is changed from "001" to "010." The machine type will not be changed.

Supplies

The operator is responsible for diagnosing to and replacing all supplies.

The Operator Guide recommends use of a xerographic bond or a smooth finish bond paper.

The IBM "Quiet"™ Printhead may become dirty through normal use. When this happens, print quality may become degraded. By installing the cleaning cartridge and depressing "Code + W", a "clean" operation is initiated. One cleaning cartridge is shipped with the typewriter.

Service Offerings

The IBM "Selectric" System/2000 family of typewriters will be marketed by IBM and through Authorized IBM Typewriter Dealers. On-site warranty service will be provided by IBM NSD CSRs if the machine is purchased directly from IBM. Warranty service on machines purchased from authorized IBM Typewriter Dealers will be rendered by Authorized Dealer Technicians.

Service for the IBM "Selectric" System/2000 typewriters is available under the terms and conditions of the IBM Maintenance Agreement II contract or the IBM Service Seal/Retainer Plan Maintenance Contract (For Designated Geographic Areas). Retainer Plan maintenance is not available. Time and materials (Per Call) is available in all areas.

Preventive Maintenance

There is no scheduled preventive maintenance. General cleaning and lubrication should be done at the time of a service call.

Note: Do not use IBM Cleaning Fluid on covers or keybuttons. IBM General Purpose Cleaner (P/N 9900632) may be used.

Tools and Test Equipment

The following tools are required to service the IBM "Selectric" System/2000:

Part No.	Description
9900008	Basic tool set
9900167	Triplett meter
4760541	#1 Supadriv* screwdriver
4760542	#2 Supadriv* screwdriver
1341046	Wrap plug
1749242	7mm wrench

* Registered Trademark of GNK Screws and Fasteners, Ltd.

The IBM "Selectric" System/2000 products are metric.

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Spare Parts

Parts Returns: There will be five equivalent-to-new (ETN) parts which must be returned:

Part No.	Description
1384051	Printer Board (WW3)
1384131	Printer Board (WW5)
1384211	Printer Board (QW7)
1384132	Function Board (WW5)
1384212	Function Board (QW7)

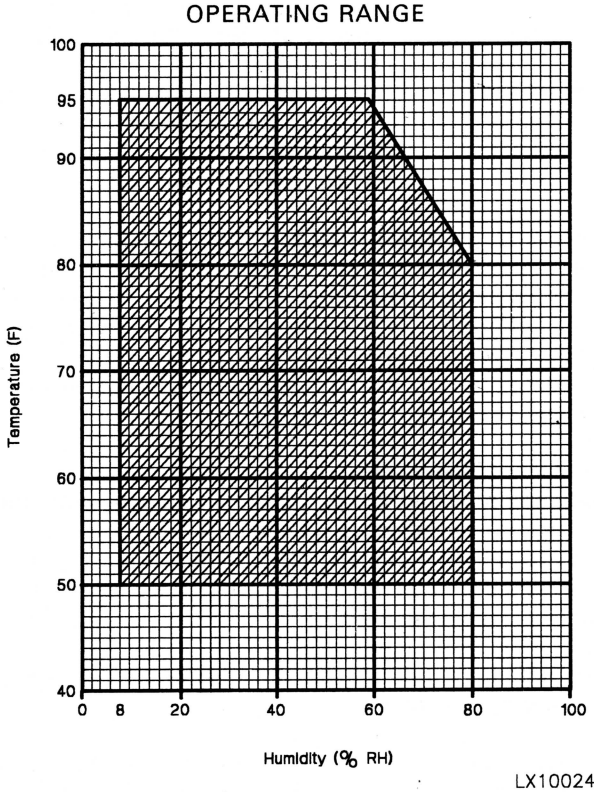
Field Documentation

Form No.	Description
S544-4047-1	6746/6747 Maintenance Library
S544-4050-0	6750 Maintenance Library
S544-4049-0	6750 Options Maintenance Library

Environment

The "Selectric" System/2000 Typewriters are designed to operate in the following environment:

Temperature Range 50-95 degrees F
Humidity Range 8-80 percent



"Quietwriter" 7 utilizes a unique print technology which requires the operator to properly set a print/erase control and a single/double strike correction control. An operator initiated print test is available to aid this procedure. By depressing "Code + F," the machine will automatically print and erase at five different print/erase levels. The operator can view the printout and set the print/erase controls for optimum quality.

"Quietwriter" 7 print technology is affected by heat and humidity. In hot, humid conditions, correction performance may be degraded. In cold, dry conditions, print may become lighter. Both conditions may be accommodated by the operator using the print test and adjusting the print/erase control to match the environmental conditions.

Print and correction quality cannot be guaranteed outside the limits of the operating range.

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Lexington
84-11-26

ZIF Connector Operation

The keyboard connectors on the Function Board, used to attach the Keyboard Printed Circuit Membrane, will be changed to Zero Insertion Force (ZIF) connectors. To remove the membrane, open the ZIF connector by lifting the two extensions at each end of the connector (Figure 1). After inserting the membrane, close the connector by pressing down on the extensions until they are fully seated.

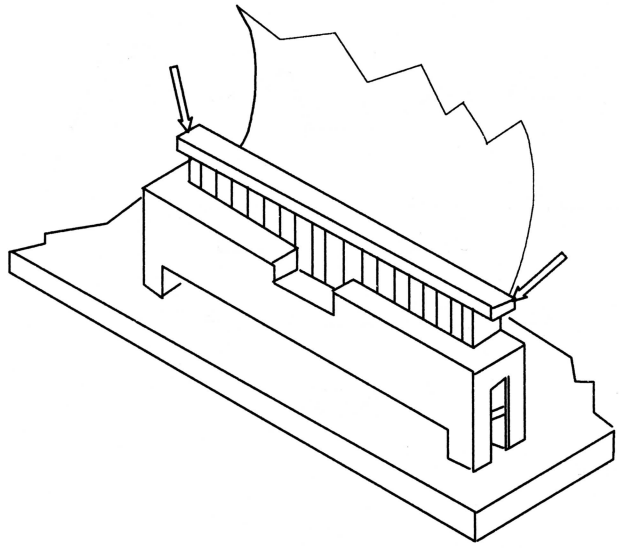

Figure 1

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Lexington
84-11-26
Revised 85-05-22

Cardholder Redesigned

Machines Affected

Plant installed above approximately S/N: Type 6746, 0040000, Type 6747, 0040000.

General Information

If experiencing print smearing on small envelopes or tab cards, replace with redesigned cardholder.

Note: Part number and adjustments remain the same.

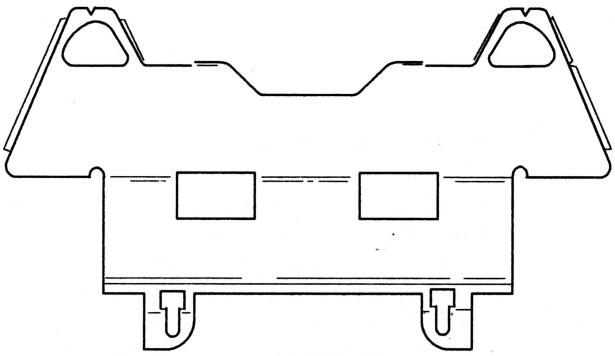

Figure 1

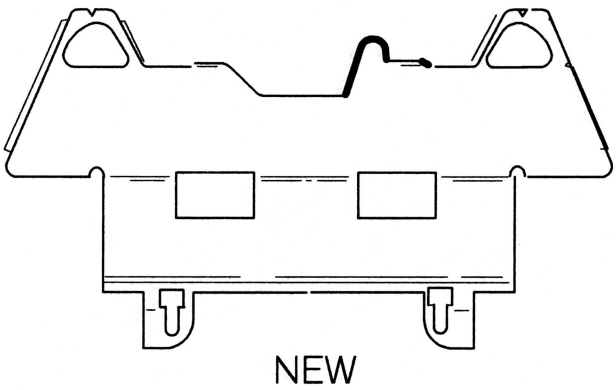

Figure 2

Parts Information

Mech/Ref	Part No.	Description
500 9	1342462	Cardholder

Use Service Code 33. This SM expires 03-31-86.

4

Lexington
85-01-30
Revised 85-04-24

Print/Correction Problem Diagnosis

Machines Affected

6750

When experiencing print/correction quality problems run the Print Sample Chart (Code + F) to identify the **BEST** mode of operation. Customers are instructed to perform this check in the Operator's Manual. If the BEST mode of operation is unacceptable to the Customer, supplies/environmental factors, which are listed in order of probability, should be ruled out as factors before proceeding with the Print Quality Diagnostics in the Maintenance Library.

Paper	Refer to the Operator's Manual - Paper Recommendations.
Environment	Refer to SM No. 1 for operating limits. (See Note below.)
Printhead	Refer to the Operator's Manual - Print Quality Problems.
Ribbons	Refer to the Operator's Manual - Print Quality Problems.

Note: High temperature and high humidity adversely affects correction quality. A lower print control setting normally provides best results in this environment. Cold temperatures and low humidity adversely affect print quality. A higher print control setting normally provides best results in this environment.

Print Quality Diagnostics presume that the printhead is functioning properly. The printhead is available under the P/N listed below, which will be included in the revision of the Maintenance Library. (The printhead is a supply item, and is not to be replaced by the service representative as a maintenance part.)

When performing print quality diagnostics, ensure that the following are correct.

1. (Adj. 3) Adjust card holder so that the printhead and pressure bar clear the opening in the card holder.

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2. Check to see that the head bias spring (500/25A) is located in the proper notch as indicated on the ribbon plate.

Parts Information

Mech/Ref		Part No.	Description
500	002	1337488	Printhead

5

Lexington
85-05-08

Function Card Redesigned

Machines Affected

6750

General Information

Plant-installed above approximately S/N0059777.

The function card for the IBM "Quietwriter"® 7 Typewriter has been redesigned to increase the printhead current in print positions 4 and 5. The printhead current in all other print positions is the same as the early level function card. To identify the new level function card, note the year printed on the label of the pluggable EPROM (EPROM is located in the center of the function card). All EPROMs dated 1985 identify a new level function card.

When experiencing print quality problems, complete the procedures outlined in SM 4. After completing these procedures, if acceptable print quality cannot be achieved using print position 4 or 5, install the new function card.

Note: Installation of the new function card cannot guarantee print and correction quality outside the limits of the operating range (temperature/humidity) or on non-recommended papers.

Parts Information

Mech/Ref		Part No.	Description
300	19	1384561	Function Card

6

Lexington
85-07-17
Revised 85-08-14

Paperfeed Motor Assembly - 5.33 Linespacing

Machines Affected

6746, 6747

General Information

A Paperfeed Motor Assembly is now available to provide 5.33 lines per inch vertical linespacing on the "Wheelwriter"™ Typewriter. This application is used primarily in the legal industry (court record).

The 5.33 linespacing Paperfeed Motor Assembly (230-1) includes a new gear pressed on the motor, retainer (230-2), and a new Intermediate Gear (230-3). The platen gear is unchanged. The 5.33 linespacing parts (230-1,3) cannot be intermixed with the standard (6.00) linespacing parts (230-1,3). NOTE: When changing the platen, ensure the correct Intermediate Gear is replaced.

The 5.33 linespacing Paperfeed Motor Assembly is available for field installation only. Customers should be billed for parts and labor at the current baseline per call rate.

Parts Information

Mech/Ref		Part No.	Description
230	001	1384560	Motor Asm, Paperfeed, 5.33 Linespacing (Includes ref. 2 & 3)
	002	NP	Retainer
	003	1362069	Gear, Intermediate, 5.33 Linespacing

Estimated Install Time: 0.4 hrs.

7

Lexington
85-07-17
Revised 85-08-14

Redesigned Electronics

Machines Affected

6746, 6747 above approximately S/N0500000

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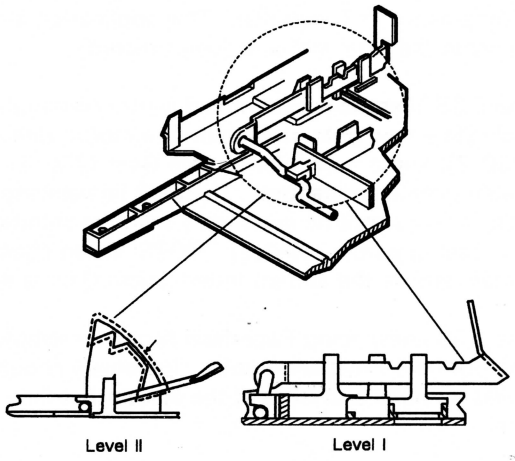
General Information

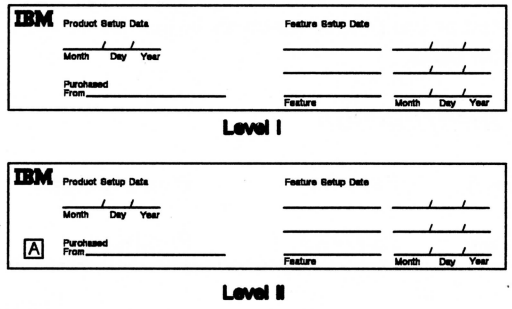
Major engineering changes are being implemented in the "Wheelwriter"™ 3 Typewriter and "Wheelwriter"™ 5 Typewriter to enhance the manufacturing process. These changes consist of a complete redesign of the electronics in the machine. The typewriters' outward appearance and function remain unchanged. The "Wheelwriter" Typewriter Maintenance Library has been updated to reflect these changes. You must order form number S544-4047-2 from Mechanicsburg to obtain the updated Maintenance Library. To ensure that you are using the correct diagnostic procedures, you must verify which level of machine you are servicing. Service representatives can readily identify a Level II machine by the redesigned keyboard height adjusting lever (Figure 1).



LEX10045

Figure 1

Customers may identify the Level II machines by the installation sticker on the Top Cover (Figure 2).



LEX10044

Figure 2

The identifier is a boxed letter A in the lower left hand corner of the installation sticker. The purpose of this identifier is to ensure the customer orders the correct level feature adaptors card when adding optional features to a machine.

Parts Information

Level II parts are not compatible with Level I machines (except battery holder). The following is a list of new parts required to support the Level II machine:

Mech/ Fig Ind	Part No.	Description
010-28	1356837	New Label Feature Installation Level 2
010-28	1317712	New Label Common Feature Installation
000-11	0111264	Fuse 200V and Above PWR LN FRU*
300-21	1246662	System Cable FRU 6746
300-21	1246684	System Cable FRU 6747
010-11	1356737	Cover FRU Bottom
040-9	1356738	Bail KYBD ADJ FRU
300-13	1356739	Cover Function Board FRU 6746
040-10	1356741	Bracket KYBD R/L.H FRU
300-13	1356937	Cover Function Board FRU 6747
600-10	1384281	Switch/Toggle Asm PWR LV FRU
300-15	1384282	Function Board FRU 6746*
300-4A	1384283	Printer Board FRU 6746*
600-13	1384284	Power Supply Board
600-15	1384285	Power Supply FRU 120/60
	1384286	Parts Pack FRU*
040-8	1384286	Keyboard Mounting Clip
300-13	1356742	Cover Function Board FRU 6746 WT
300-15	1384287	Function Board FRU 6746
600-15	1384288	Power Supply FRU 100/50-60
600-15	1384289	Power Supply FRU 112.5/50-60
600-15	1384290	Power Supply FRU 127/50-60

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600-15	1384291	Power Supply FRU 200/50-60
600-15	1384292	Power Supply FRU 220/50-60
600-15	1384293	Power Supply FRU 230/50-60
600-15	1384294	Power Supply FRU 240/50-60
300-15	1384295	Function Board FRU 6747*
300-4A	1384296	Printer Board FRU 6747*
350-3A	1384297	Feature Adapt BD Asm FRU

* These parts should be added to the RPI Kit.

No additional training is required to service the Level II "Wheelwriter" Typewriter.

Note: The Operator Reference Cards have been eliminated and replaced with a new Operation Guide. Also, the machine dust cover has been discontinued and an improved dust cover has been put in place as a supply item.

8

Lexington
85-07-31

Maintenance Library - Level II

Machines Affected

6746, 6747

General Information

A revised Wheelwriter™ Typewriter Maintenance Library is available for servicing **both** "Wheelwriter" 3 Typewriter and "Wheelwriter" 5 Typewriter, Level I and Level II, with all their respective options. The new maintenance library incorporates all updates to the existing "Wheelwriter" Typewriter Level I MAPs and some format changes in the parts section. The differences between Level I and Level II, are covered in SM 7. Listed below are the format changes:

- Deletion of the major/minor activity boxes in the top left corner.
- Replace the red lines with black lines.
- Delete duplication of common parts within a mechanism.

Major/Minor codes have been substituted with Mech Code/Figure Index. Use the Mech Code located at the bottom of the parts diagram (exploded view) for the Major Code, and use the Figure/Index number, located on the parts description page, for the Minor Code.

A section on "How to use the Parts Catalog" is located at the beginning of the Parts Section.

The new "Wheelwriter" Typewriter Maintenance Library must be used to service all "Wheelwriter" Typewriter Level II machines. Level I Maintenance Library is obsolete.

SLSS subscribers will automatically receive the new maintenance library. All others must order the manual using form number S544-4047-2 from Mechanicsburg.

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Lexington
85-07-31
Revised 85-09-11

Print Wheel Cleaning Procedure

Machines Affected

6746, 6747

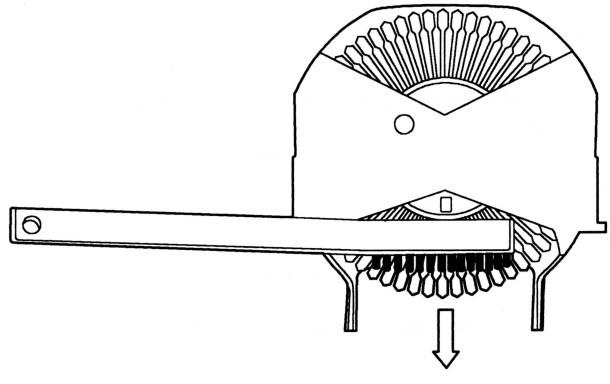
General Information

Customers using fabric ribbons on Wheelwriter™ Typewriters may occasionally need to clean their print wheels.

Customers should be instructed to clean the print wheel using mild soap and water with a brush. IBM Cleaning Brush, P/N0453536 or equivalent, may be used.

Customers should be CAUTIONED to gently brush print wheels from the center of the print wheel outward at the open end of the cartridge. (Figure 1)

Print wheels must be dry before reuse.



LEX40325

Figure 1

Note: Customers may order brush P/N0453536 from Greencastle by dialing (317) 658-2022.

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Lexington
85-08-14

Transport Motor Assembly

Machines Affected

6746, 6747

General Information

All transport motor assemblies are now assembled to facilitate manufacturing of Level II machines. Level II motor assemblies have the transport motor mounted so that the motor connector is positioned at 12:00. When installing a transport motor assembly on Level I machines, remove the motor mounting screws (520-3) and rotate the motor so that the motor connector is positioned at 7:00 (front view).

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Lexington
85-08-14

Wheelwriter™ Typewriter Level II

Machines Affected

Serial Number Range 0500001-0530000

General Information

Level II "Wheelwriter" typewriters within the specified serial number range may experience intermittent POR failures. When this failure occurs, replace the Power Supply Board.

Mech Fig/Index	Part No.	Description
600 13	1384284	Power Supply Board

Estimated Install Time: 0.5 Hrs. Use Service Code 33.

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Lexington
85-08-14

Maintenance Library Correction

Machines Affected

6746, 6747

General Information

Mark the following correction in your new maintenance library, S544-4047-2.

On page 2-43 the (KEYBUTTON POSITIONS TO DRIVE/SENSE LINES) chart at the bottom of the page is labeled wrong.

The top of the chart should read: Sense Lines J2F.
The left side of the chart should read: Drive Lines J1F.

Incorrect

DRIVE LINES J2F

SENSE LINES J1F	1	2	3	4	5	6	7	8
1								60
2	69	73	70	71	66	72	78	61
3	74	68	65		16	67	30	64
4								44/57
5		31	1	2	17		46	45
6		32		3	18		47	
7		33		4	19		48	
8	35	34	6	5	20	21	49	50
9	36	37	7	8	23	22	52	51
10		38	13	9	24	28	53	
11		39		10	25		54	
12	41	40	12	11	26	27	42	55
13		77	15	75	76		43	79

KEYBUTTON NUMBERS

LEX40509

Correct

SENSE LINES J2F

DRIVE LINES J1F	1	2	3	4	5	6	7	8
1								60
2	69	73	70	71	66	72	78	61
3	74	68	65		16	67	30	64
4								44/57
5		31	1	2	17		46	45
6		32		3	18		47	
7		33		4	19		48	
8	35	34	6	5	20	21	49	50
9	36	37	7	8	23	22	52	51
10		38	13	9	24	28	53	
11		39		10	25		54	
12	41	40	12	11	26	27	42	55
13		77	15	75	76		43	79

KEYBUTTON NUMBERS

LEX40513

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Lexington
85-08-14

Maintenance Library Correction

Machines Affected

6750

General Information

Mark the following correction in your new maintenance library, S544-4050-1.

On page 2-38, the (KEYBUTTON POSITIONS TO DRIVE/SENSE LINES) chart at the bottom of the page is labeled wrong.

The top of the chart should read: Sense Lines J2F.
The left side of the chart should read: Drive Lines J1F.

Incorrect

DRIVE LINES J2F

SENSE LINES J1F	1	2	3	4	5	6	7	8
1								60
2	69	73	70	71	66	72	78	61
3	74	68	65		16	67	30	64
4								44 57
5		31	1	2	17		46	45
6		32		3	18		47	
7		33		4	19		48	
8	35	34	6	5	20	21	49	50
9	36	37	7	8	23	22	52	51
10		38	13	9	24	28	53	
11		39		10	25		54	
12	41	40	12	11	26	27	42	55
13		77	15	75	76		43	79
KEYBUTTON NUMBERS								

Correct

SENSE LINES J2F

DRIVE LINES J1F	1	2	3	4	5	6	7	8
1								60
2	69	73	70	71	66	72	78	61
3	74	68	65		16	67	30	64
4								44 57
5		31	1	2	17		46	45
6		32		3	18		47	
7		33		4	19		48	
8	35	34	6	5	20	21	49	50
9	36	37	7	8	23	22	52	51
10		38	13	9	24	28	53	
11		39		10	25		54	
12	41	40	12	11	26	27	42	55
13		77	15	75	76		43	79
KEYBUTTON NUMBERS								

LEX40509

14

Lexington
85-09-25

Cardholder Retainer Clip

Machines Affected

6746, 6747

General Information

Cardholder retainer clips are now available for the IBM Wheelwriter™ 3 and 5 typewriters. The purpose of the clip is to limit the distance the cardholder can move away from the platen, under certain applications (that is, thick stock, multi-page documents, thick envelopes, etc.), and interfere with ribbon cassette movement.

If experiencing application problems that result in ribbon take-up or breakage problems, the following action should be taken:

1. Check ribbon and correcting tape diagnostics.
2. Ensure that the Level II cardholder is installed (see SM 3).
3. Install the cardholder retainer clips.

Installation Procedures

1. Lift open the top cover.
2. Remove ribbon cassette and print wheel.
3. Remove platen and deflector.
4. Move carrier to one side and remove the paper feed roller assembly (maj. 230 min. 04 or 05).
5. While holding the cardholder towards the rear, insert clips (Figure 1) on the rear carrier casting (Figure 2) with the flat side towards the front.

   Note: Can be inserted by using fingers; however, pliers may be used.
6. Reinstall the parts specified in Steps 2, 3, and 4.
7. Form the top of the clip to just touch the cardholder at rest.
8. Check all applications **after** installation.

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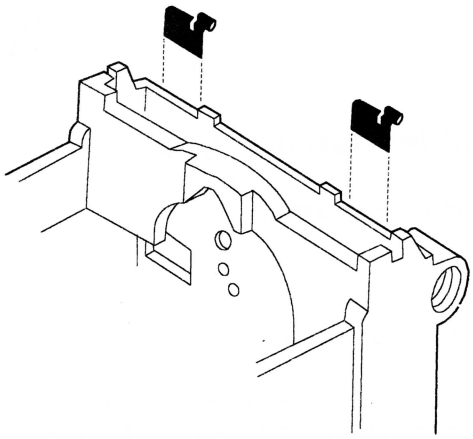
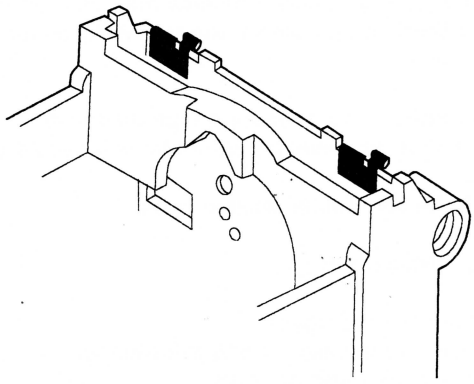


LEX40340

Figure 1



LEX40341

Figure 2

Parts Information

Mech/Ref		Part No.	Description
500	029	1362526	Cardholder Retainer Clip (2 required)

Use Applicable Service Code

15

Lexington
85-10-09

Foam Insulation

Machines Affected

6746, 6747, 6750

General Information

Foam insulation for the paper bail lever slot in the top cover is now available as a field replacement part. This foam insulation, with a slight modification, may also be used for the paper release lever slot.

Mech/Ref		Part No.	Description
010	029	1337458	Foam Insulation

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Lexington
85-10-23
Revised 85-11-20

Ribbon - Handling

Machines Affected

6746, 6747

General Information

All Selectric® System/2000 typewriters, with the exception of the Quietwriter® 7 Typewriter, are now shipped with the ribbon cartridge in the typewriter accessory kit rather than installed on the typewriter. This was done to minimize ribbon feed failures out-of-box due to the ribbon supply spool outer wrap slipping off the supply spool. New Wheelwriter® ribbons are manufactured with an adhesive tape on the leader edge to minimize this problem.

When transporting ANY "Selectric" System/2000 typewriter, remove the ribbon cartridge. This will also assist in minimizing ribbon feed failures.

When servicing any "Selectric" System/2000 typewriter and removal of the ribbon is required, care should be exercised in handling of the cartridge. Upon reinstallation of the ribbon cartridge, check for proper operation by typing at least 5 to 8 lines of text.

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Lexington
85-10-23
Revised 85-11-20

Ribbons - Applications

Machines Affected

6750

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General Information

IBM Quiet™ Correcting Ribbon

The IBM "Quiet" Correcting Ribbon is recommended for general typing and high quality corrections, especially on smooth papers. This ribbon has wide, general applicability, and is suitable for most office environments. It should not be used for bank checks, other negotiable instruments or similar documents, or direct image offset masters.

IBM Quiet™ High Density Correcting Ribbon

The IBM "Quiet" High Density Correcting Ribbon differs from the existing IBM "Quiet" Correcting Ribbon in the following respects.

- Darker, bolder print
- Greater durability (adhesion/abrasion characteristics)
- May require the use of the "double correct" mode on the typewriter.

This ribbon has been specifically designed to print upon rough papers or hard-to-image surfaces. Customers experiencing light printing due to very rough papers or other reasons may note improvement with this ribbon. This ribbon must not be used for negotiable instruments or other similar documents.

IBM Quiet™ Non-Correcting Ribbon

The IBM "Quiet" Non-Correcting Ribbon will provide a darker, bolder print that is indelible. This ribbon is recommended for use on bank checks, other negotiable instruments and similar documents, but not for direct image offset masters.

18 Lexington 85-10-23

Correction Improvement

Machines Affected

6750 Plant installed above approximately S/N0128190

General Information

The Quietwriter® 7 typewriter print and correction currents (controlled by the EPROM located on the function card) were changed to broaden the operators' selection of print and correction settings. There are two methods of identifying the new EPROM:

1. The number 1362476 on the EPROM label. This number is for identification only—not for parts ordering.
2. The code F test prints IBM/y&.

If the customer experiences correction failures, such as block printing when correcting in the higher print settings, complete the procedures outlined in SM 4. If acceptable correction quality cannot be achieved, install the new EPROM.

EPROMs and installation instructions are now available for field use.

Parts Information

Mech/Ref	Part No.	Description
300 030	1384605	EPROM B/M

Use Service Code 33.

19 Lexington 85-11-20

Spellcheck Boards — World Trade Applications

Machines Affected

6746, 6747, 6750

General Information

The following Spellcheck boards are now available. These boards are interchangeable between the Wheelwriter® Level 1 and 2 and the Quietwriter® typewriter.

Parts Information

Fig/Ind	Part No.	Description
010 4	1434800	Spellcheck Board — German
	1434810	Spellcheck Board — French
	1434820	Spellcheck Board — Dutch
	1434830	Spellcheck Board — Spanish
	1434840	Spellcheck Board — Italian
	1434850	Spellcheck Board — Canadian French
	1434870	Spellcheck Board — Danish

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Ribbons - Applications 3

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1

Lexington
85-10-09

IBM Wheelwriter®/Quietwriter® Systems

Product Description

The IBM "Wheelwriter" System is an impact system utilizing printwheel technology. The IBM "Quietwriter" System is a non-impact system utilizing the new Resistive Ribbon Thermal Transfer Technology. Both systems have been designed for customer set-up (CSU).

Customer Assistance

Customer assistance for set-up, operation and problem determination is available by calling IBM Direct, at 1-800-IBM-2468. If requested, NSD will set up machines at the prevailing Class 1 hourly service rate; one hour minimum.

Standard Features

The IBM "Wheelwriter"/"Quietwriter" Systems are modular products. All modules are CSU. The available modules are:

- Keyboard
- Impact Printer
- Non-Impact Printer
- 80-Character Display
- Function Pack 20 (no cartridge slots)
- Function Pack 40 (3 cartridge slots)
- Textpack A Cartridge
- Optional Cartridges

Note: To operate the IBM "Wheelwriter"/"Quietwriter" Systems one of the following must be installed:

- Function Pack (FP) 20
  or
- Function Pack (FP) 40 with Textpack A Cartridge.

The IBM "Wheelwriter"/"Quietwriter" Systems offer all "IBM Wheelwriter" Typewriter and IBM "Quietwriter" Typewriter standard features plus:

Function Pack 20:

- Upgradability (FP 20 to FP 40).
- Text String Search.
- Up to a Full Page of Auto Correct. (This may vary depending on the amount of unused storage.)
- Justify.
- Format Storage.
- Annotated Stop Codes.
- Directory.
- Document Store, Play, Delete.
- Forms/Mark.
- Hyphenation.
- Approximately 11,500 Characters of User Memory - Battery Protected.

Function Pack 40 (Above Plus):

- Approximately 26,000 Characters of User Memory - Battery Protected
- Cartridge Slots that provide:
  - Advanced Text Revision (via Textpack A Cartridge)
  - Optional Features (via Optional Program Cartridges)
  - Battery Protected Removable Storage Cartridge.

Optional Features

All optional cartridges can only be used in conjunction with Function Pack 40 with a Textpack A Cartridge.

Note: An IBM "Wheelwriter"/"Quietwriter" System/20 is customer-upgradable by replacing the Function Pack 20 with a Function Pack 40.

The following option cartridges can be used on either the center or left slots of Function Pack 40.

Spell Check Option: The Spell Check Option is an interactive dictionary verifies the spelling of 50,000 words commonly used in business. There is also a 300-word supplemental dictionary (battery protected) that users can fill with words unique to their application.

Learn I & II Options: Learn I & II Options are interactive tutorial packages that instruct the user in all aspects of the machine. Learn I covers basic typing and memory/storage. Learn II covers advanced typing and memory/storage.

Help Option: The Help Option aids the operator the machine operation.

The following option cartridges can only be used in the right slot of Function Pack 40.

Storage 16 Option: The Storage 16 Option provides the user with approximately 14,500 additional characters storage in cartridge form and is battery protected for five years. The battery is not replaceable.

Acoustical Sound Hood: Available for the IBM "Wheelwriter" System only.

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Machine Type/Models

	Machine Type	Model
IBM "Wheelwriter" System	6770	001
IBM "Quietwriter" System	6780	001

Machine Identification

Machine/ Type	Plant of Manufacture	Serial Number
6770	11	2000001-9999999
6780	11	1000001-9999999

Supplies

The operator is responsible for diagnosing to and replacing all supplies.

The IBM "Quietwriter" System uses the same supplies as the IBM "Quietwriter" Typewriter.

The IBM "Quiet" Printhead may become dirty through normal use. When this happens, print quality may become degraded. By installing the cleaning cartridge and initiating diagnostic test 002, a "clean" operation is performed.

Maintenance Strategy

The IBM "Wheelwriter"/"Quietwriter" Systems will be marketed by IBM and IBM Authorized Typewriter Dealers (ATD). Warranty service will be provided by:

- NSD service representatives (on-site) for purchases from IBM. Exceptions are:
  - State and Local Governments
  - Qualifying Educational Institutions and Qualifying Hospitals
  - IBM VPA/Special Bid Customers.
- IBM Authorized Typewriter Dealer (ATD) Technician for purchases from ATD or from IBM by:
  - State and Local Governments
  - Qualifying Educational Institutions and Qualifying Hospitals
  - IBM VPA/Special Bid Customers.

Note: For commercial customers, warranty period is 3 months. For public sector, warranty period is 6 months.

Both IBM "Wheelwriter"/"Quietwriter" Systems and options are customer set-up.

Service for the IBM "Selectric" System/2000 Typewriters is available under the terms and conditions of the IBM Maintenance Agreement II. (Option cartridges are not covered by the M/A II.) Time and materials (per call) is available at prevailing Class 1 hourly service rates; one hour minimum.

Preventive Maintenance

There is no scheduled preventive maintenance. General cleaning and lubrication should be done at the time of a service call.

Note: Do not use IBM Cleaning Fluid on covers or keybuttons. IBM General Purpose Cleaner (P/N9900632) may be used.

Tools and Test Equipment

The IBM "Wheelwriter"/"Quietwriter" Systems require no additional tools.

Metric

The IBM "Wheelwriter"/"Quietwriter" Systems utilize metric screws.

Parts

Parts return:

There will be three equivalent-to-new (ETN) parts which must be returned.

Part No.	Description
1384386	Printer Board
1384211	Printer Board
1335932	Function Pack 40

Field Documentation

Form No.	Description
S544-4071	6770 Maintenance Library
S544-4072	6780 Maintenance Library

Environment

The IBM "Wheelwriter"/"Quietwriter" Systems are designed to operate in the following environment:

Temperature Range	50-90 degrees F
Humidity Range	8-80 percent

Print and correction quality cannot be guaranteed outside the limits of the operating range.

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2

Lexington
85-11-20

Ribbon - Handling

Machines Affected

6770, 6780

General Information

All Selectric® System/2000 typewriters, with the exception of the Quietwriter® 7 Typewriter, are now shipped with the ribbon cartridge in the typewriter accessory kit rather than installed on the typewriter. This was done to minimize ribbon feed failures out-of-box due to the ribbon supply spool outer wrap slipping off the supply spool. New Wheelwriter® ribbons are manufactured with an adhesive tape on the leader edge to minimize this problem.

When transporting ANY "Selectric" System/2000 typewriter, remove the ribbon cartridge. This will also assist in minimizing ribbon feed failures.

When servicing any "Selectric" System/2000 typewriter and removal of the ribbon is required, care should be exercised in handling of the cartridge. Upon reinstallation of the ribbon cartridge, check for proper operation by typing at least 5 to 8 lines of text.

3

Lexington
85-11-20

Ribbons - Applications

Machines Affected

6780

General Information

IBM Quiet™ Correcting Ribbon

The IBM "Quiet" Correcting Ribbon is recommended for general typing and high quality corrections, especially on smooth papers. This ribbon has wide, general applicability, and is suitable for most office environments. It should not be used for bank checks, other negotiable instruments or similar documents, or direct image offset masters.

IBM Quiet™ High Density Correcting Ribbon

The IBM "Quiet" High Density Correcting Ribbon differs from the existing IBM "Quiet" Correcting Ribbon in the following respects.

- Darker, bolder print
- Greater durability (adhesion/abrasion characteristics)
- May require the use of the "double correct" mode on the typewriter.

This ribbon has been specifically designed to print upon rough papers or hard-to-image surfaces. Customers experiencing light printing due to very rough papers or other reasons may note improvement with this ribbon. This ribbon must not be used for negotiable instruments or other similar documents.

IBM Quiet™ Non-Correcting Ribbon

The IBM "Quiet" Non-Correcting Ribbon will provide a darker, bolder print that is indelible. This ribbon is recommended for use on bank checks, other negotiable instruments and similar documents, but not for direct image offset masters.

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IBM SM
Service Memorandum

Group 989

1

Lexington
85-10-23

6770

For all SM information on Machine Type 6770, please refer to Machine Type 6746.

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IBM SM
Service Memorandum

Group 989

Lexington
85-10-23
Revised 85-11-20

6780

For all SM information on Machine Type 6780, please refer to Machine Type 6770.

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1

Lexington
84-11-26
Revised 86-08-13

IBM Selectric® System/2000

Machines Affected

6746

General Information

The IBM "Selectric" System/2000 consists of five general purpose typewriters, the Wheelwriter® 3, "Wheelwriter" 5, "Wheelwriter" 6, Quietwriter® 7, and the "Quietwriter" 8 Typewriters. The "Wheelwriter" 3, "Wheelwriter" 5, and "Wheelwriter" 6 are impact printers using printwheel technology. The "Quietwriter" 7 and "Quietwriter" 8 are non-impact printers using a Resistive Ribbon Thermal Transfer technology. The "Selectric" System/2000 offers the customer a wide range of options as a system of independent workstations.

All IBM "Selectric" System/2000 typewriters and associated options are customer set-up (CSU).

Customer Assistance

Customer assistance for set-up, operation, and problem determination is available by calling IBM Direct, toll free, at 1-800-IBM-2468. If requested, NSD will install machines and features at the prevailing per call rate (one hour minimum).

Standard Features

IBM "Wheelwriter" 3 Typewriter:

- Semi-Automatic Paper Insertion
- Keyboard Paper Movement Control
- Automatic Pitch Selection
- Automatic Impression Selection
- Automatic Underscore
- Automatic Centering
- 72-Character Correction Buffer (one line)
- Half Space
- Caps Lock
- 3-Position Keyboard
- 10, 12, and 15 Pitch
- 16 CPS Printout (max)
- Forward/Reverse/Micro Indexing

IBM "Wheelwriter" 5 Typewriter (All "Wheelwriter" 3 features plus):

- Automatic Carrier Return
- Proportional Spacing
- Unit Backspace
- 200-Character (approx.) Correction Buffer
- Sub/Superscript
- Relocate
- Multilingual Keyboard
- Format Storage
- 7000 Character (approx.) Memory
- Playout—Automatic and by Character
- 99-Memory Address Locations
- Limited Revision Capability
- One-Year Memory Protection (operator replaceable batteries)
- Margin Indent
- Decimal Tab

IBM "Wheelwriter" 6 Typewriter (All "Wheelwriter" 5 features plus):

- Word Underscore
- Directory
- Form Storage
- Margin Return
- Justification
- 31000-Character Memory

IBM "Quietwriter" 7 Typewriter (All "Wheelwriter" 5 features plus):

- Electronic Fonts
- Print Expand (double width print)
- Single Ribbon for Print and Correction
- Quiet, Non-Impact Print Technology

IBM "Quietwriter" 8 Typewriter (All "Quietwriter" 7 features plus):

- Word Underscore
- Directory
- Form Storage
- Margin Return
- Justification
- 31000-Character Memory

Optional Features

Feature Adapter Option The Feature Adapter Option must be installed to accomodate all the optional features (except the Soundhood).

Printer Option The Printer Option attaches the typewriter to IBM Personal Computers or other equipment manufacturer personal computers utilizing a parallel interface compatible with the IBM Personal Computer Interface. The Printer Cable is the customer's responsibiblity.

Spell Check Option The Spell Check Option is an interactive dictionary verifying the spelling of the equivalent of approximately 50,000 U.S. words commonly used in business. In addition, it contains a supplemental dictionary of approximately 300 words (battery

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backed-up) that users can fill with words unique to their particular application or industry.

Display Option The Display Option is a cable-connected, 24-character liquid crystal display. It enhances typewriter usability by allowing errors to be detected before they are printed. Used in conjunction with the 7,000 character memory, it greatly enhances revision usability (not available on the "Wheelwriter" 3).

Display/Printer Option The Display/Printer Option is a combination module that includes all of the features and functions of the separate Printer Option and Display Option. It is required when installing both the Printer and Display or all three options (not available on the "Wheelwriter" 3).

Soundhood Option An accoustical soundhood is available for all the "Selectric" System/2000 Typewriters.

Special Features

Battery Backup Three 1.5 volt alkaline batteries (included with the typewriter) protect the memory for approximately one year (no memory on "Wheelwriter" 3). Replacement of the batteries is the customer's responsibility.

Multilingual Keyboard Twelve alternate language keyboards and three special application keyboards are operator selectable (not available on "Wheelwriter" 3). The proper printwheel/font must be used when selecting an alternate keyboard.

Machine Type/Models

	Machine Type	Model
IBM "Wheelwriter" 3	6746	001
MES upgrade "Wheelwriter" 3 to "Wheelwriter" 5	6746	010
IBM "Wheelwriter" 5	6747	001
IBM "Wheelwriter" 6	6747	005
IBM "Quietwriter" 7	6750	001
IBM "Quietwriter" 8	6750	005

Machine Identification

The following is stamped inside the machine, on the left-hand bottom of the IBM "Selectric" System/2000 Typewriter:

Machine Type Code	Plant of Manufacture	Serial Number
6746	11	0000001-9999999
6747	11	0000001-9999999
6750	11	0000001-9999999

Upgrade MES

The IBM "Wheelwriter" 3 can be upgraded to an IBM "Wheelwriter" 5 via an MES. Labor is included in the price of the MES. When an upgrade is performed, the CSR must notify Branch Office Administration of the installation to ensure that the model number is changed from "001" to "010". The machine type will not be changed.

Supplies

The following supplies are available for the IBM "Selectric" System/2000:

6746/6747

IBM Easystrike® Correctable Ribbon Cassette
IBM "Easystrike" Multipurpose Ribbon Cassette
IBM "Easystrike" Fabric Ribbon
IBM "Easystrike" Lift Off Tape Cassette
IBM "Easystrike" Cover Up Tape Cassette
IBM Cartridge Printwheel II

6750

IBM Quiet™ Correcting Ribbon
IBM "Quiet" High Density Correcting Ribbon
IBM "Quiet" Non-Correcting Ribbon
IBM "Quiet" Electronic Fonts
IBM "Quiet" Print Head
IBM "Quiet" Cleaning Cartridge

The operator is responsible for diagnosing to and replacing all supplies.

The IBM "Quiet" print head is a customer replaceable supply item with an average life of two years.

The IBM "Quiet" print head may become dirty through normal use. When this happens, print quality may become degraded. By installing the cleaning cartridge and depressing "Code + W", a "clean" operation is initiated. One cleaning cartridge is shipped with the typewriter.

Warranty

The IBM "Selectric" System/2000 family of typewriters will be marketed by IBM and through Authorized IBM Typewriter Dealers. New machine warranty period for these machines is three months. On-site warranty service will be provided by IBM NSD CSRs if the machine is purchased directly from IBM. Warranty service on machines purchased from Authorized IBM Typewriter Dealers will be rendered by Authorized Dealer Technicians.

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Service Offerings

Post-warranty service for the IBM "Selectric" System/2000 typewriters is available under the terms and conditions of the IBM Maintenance Agreement II contract. Retainer Plan maintenance is not available. Time and Materials (per call) is available in all areas.

Preventive Maintenance

There is no scheduled preventive maintenance. General cleaning and lubrication should be done at the time of a service call.

Tools And Test Equipment

The following tools are required to service the IBM "Selectric" System/2000:

Part No.	Description
9900008	Basic Tool Set
9900167	Triplett Meter
4760541	#1 Supadriv* Screwdriver
4760542	#2 Supadriv* Screwdriver
1341046	Wrap Plug
1749242	7mm Wrench

* Registered Trademark of GNK Screws and Fasteners, Ltd.

The IBM "Selectric" System/2000 products are metric.

Spare Parts

Part Returns The following list of parts are ETN parts and must be returned.

Part No.	Description
1384051	Printer Board ("Wheelwriter" 3, level 1)
1384283	Printer Board ("Wheelwriter" 3, level 2)
1384131	Printer Board ("Wheelwriter" 5, level 1)
1384296	Printer Board ("Wheelwriter" 5, level 2) and ("Wheelwriter" 6)
1384211	Printer Board ("Quietwriter" 7) and ("Quietwriter" 8)
1384052	Function Board ("Wheelwriter" 3, level 1)
1384282	Function Board ("Wheelwriter" 3, level 2)
1384378	Function Board ("Wheelwriter" 5, level 1)
1384295	Function Board ("Wheelwriter" 5, level 2)
1384646	Function Board ("Wheelwriter" 6)
1384561	Function Board ("Quietwriter" 7)
1384681	Function Board ("Quietwriter" 8)

Field Documentation

Form No.	Description
S544-4047	6746/6747 Maintenance Library
S544-4050	6750 Maintenance Library

Specifications

Machine Weight and Dimensions

IBM "Wheelwriter" 3, 5, and 6

Overall Width	544 mm (21.4 in.)
Overall Depth	457 mm (18.0 in.)
Overall Height	167 mm (6.6 in.)
Weight	15.0 kg (33.0 lb)
Weight (packaged)	21.4 kg (47.0 lb)
Paper Capacity	420 mm (16.5 in.)
Writing Line Capacity	335 mm (13.2 in.)

IBM "Quietwriter" 7 and 8

Overall Width	544 mm (21.4 in.)
Overall Depth	457 mm (18.0 in.)
Overall Height	167 mm (6.6 in.)
Weight	12.3 kg (27.0 lb)
Weight (packaged)	18.6 kg (41.0 lb)
Paper Capacity	420 mm (16.5 in.)
Writing Line Capacity	335 mm (13.2 in.)

Print Speed

16 cps (max)

Electrical Data

Voltage	115V AC (± 10%)
Frequency	60 Hz (± 5%)
Line Cord	3-Wire Grounded Cord

Power Consumption and Current Draw

6746/6747

	Watts	BTU/Hr	AC Current Draw
Operating	53	180	580 ma
Idle	35	120	390 ma

6750

Operating	104	355	1045 ma
Idle	35	120	540 ma

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Environment

The IBM "Quietwriter" 7 and "Quietwriter" 8 utilize a unique print technology which requires the operator to properly set a print/erase control and a single/double strike correction control. An operator-initiated print test is available to aid this procedure. By depressing "Code + F", the machine will automatically print and erase at five different print/erase levels. The operator can view the printout and set the print/erase controls for optimum quality.

"Quietwriter" print technology is affected by heat and humidity. In hot, humid conditions, correction performance may be degraded. In cold, dry conditions, print may become lighter. Both conditions may be accomodated by the operator using the print test and adjusting the print/erase control to match the environmental conditions.

Print and correction quality cannot be guaranteed outside the limits of the operating range.

The IBM "Selectric" System/2000 Typewriters are designed to operate in the following environment:

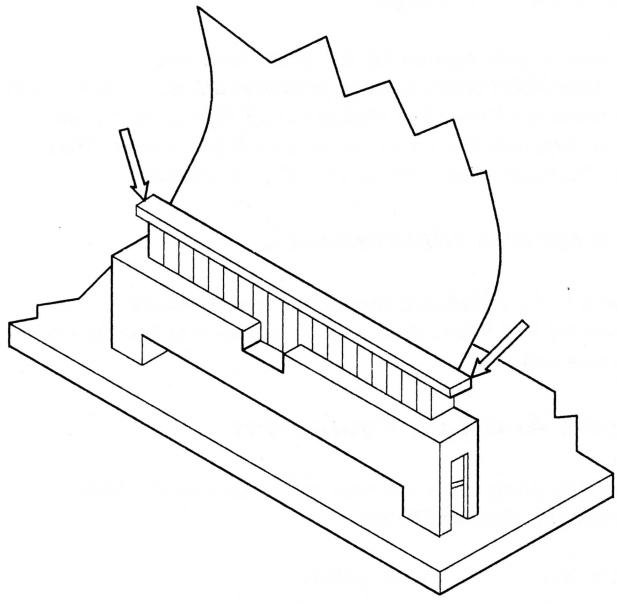
Temperature Range	50° to 95° F
Humidity Range	8-80%

2

Lexington
84-11-26

ZIF Connector Operation

The keyboard connectors on the Function Board, used to attach the Keyboard Printed Circuit Membrane, will be changed to Zero Insertion Force (ZIF) connectors. To remove the membrane, open the ZIF connector by lifting the two extensions at each end of the connector (Figure 1). After inserting the membrane, close the connector by pressing down on the extensions until they are fully seated.



LEX40900

Figure 1

3

Lexington
84-11-26
Revised 85-05-22

Cardholder Redesigned

Machines Affected

Plant installed above approximately S/N: Type 6746, 0040000, Type 6747, 0040000.

General Information

If experiencing print smearing on small envelopes or tab cards, replace with redesigned cardholder.

Note: Part number and adjustments remain the same.

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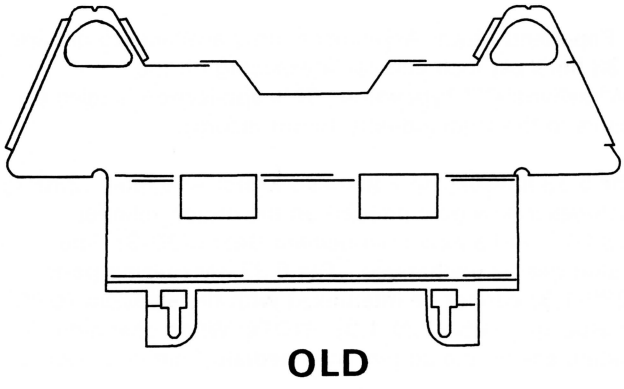
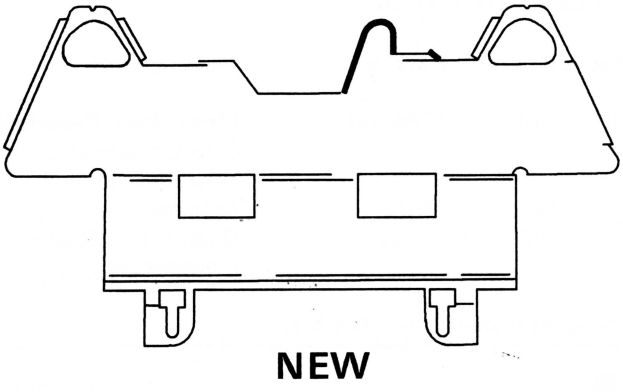


LEX40902

Figure 1



LEX40901

Figure 2

Parts Information

Mech/Ref	Part No.	Description
500 9	1342462	Cardholder

Use Service Code 33. This SM expires 03-31-86.

4

Lexington
85-01-30
Revised 85-04-24

Print/Correction Problem Diagnosis

Machines Affected

6750

When experiencing print/correction quality problems run the Print Sample Chart (Code + F) to identify the **BEST** mode of operation. Customers are instructed to perform this check in the Operator's Manual. If the BEST mode of operation is unacceptable to the Customer, supplies/environmental factors, which are listed in order of probability, should be ruled out as factors before proceeding with the Print Quality Diagnostics in the Maintenance Library.

Paper	Refer to the Operator's Manual - Paper Recommendations.
Environment	Refer to SM No. 1 for operating limits. (See Note below.)
Printhead	Refer to the Operator's Manual - Print Quality Problems.
Ribbons	Refer to the Operator's Manual - Print Quality Problems.

Note: High temperature and high humidity adversely affects correction quality. A lower print control setting normally provides best results in this environment. Cold temperatures and low humidity adversely affect print quality. A higher print control setting normally provides best results in this environment.

Print Quality Diagnostics presume that the printhead is functioning properly. The printhead is available under the P/N listed below, which will be included in the revision of the Maintenance Library. (The printhead is a supply item, and is not to be replaced by the service representative as a maintenance part.)

When performing print quality diagnostics, ensure that the following are correct.

1. (Adj. 3) Adjust card holder so that the printhead and pressure bar clear the opening in the card holder.
2. Check to see that the head bias spring (500/25A) is located in the proper notch as indicated on the ribbon plate.

Parts Information

Mech/Ref	Part No.	Description
500 002	1337488	Printhead

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5

Lexington
85-05-08

Function Card Redesigned

Machines Affected

6750

General Information

Plant-installed above approximately S/N0059777.

The function card for the IBM "Quietwriter"® 7 Typewriter has been redesigned to increase the printhead current in print positions 4 and 5. The printhead current in all other print positions is the same as the early level function card. To identify the new level function card, note the year printed on the label of the pluggable EPROM (EPROM is located in the center of the function card). All EPROMs dated 1985 identify a new level function card.

When experiencing print quality problems, complete the procedures outlined in SM 4. After completing these procedures, if acceptable print quality cannot be achieved using print position 4 or 5, install the new function card.

Note: Installation of the new function card cannot guarantee print and correction quality outside the limits of the operating range (temperature/humidity) or on non-recommended papers.

Parts Information

Mech/Ref		Part No.	Description
300	19	1384561	Function Card

6

Lexington
85-07-17
Revised 85-08-14

Paperfeed Motor Assembly - 5.33 Linespacing

Machines Affected

6746, 6747

General Information

A Paperfeed Motor Assembly is now available to provide 5.33 lines per inch vertical linespacing on the "Wheelwriter"™ Typewriter. This application is used primarily in the legal industry (court record).

The 5.33 linespacing Paperfeed Motor Assembly (230-1) includes a new gear pressed on the motor, retainer (230-2), and a new Intermediate Gear (230-3). The platen gear is unchanged. The 5.33 linespacing parts (230-1,3) cannot be intermixed with the standard (6.00) linespacing parts (230-1,3). NOTE: When changing the platen, ensure the correct Intermediate Gear is replaced.

The 5.33 linespacing Paperfeed Motor Assembly is available for field installation only. Customers should be billed for parts and labor at the current baseline per call rate.

Parts Information

Mech/Ref		Part No.	Description
230	001	1384560	Motor Asm, Paperfeed, 5.33 Linespacing (Includes ref. 2 & 3)
	002	NP	Retainer
	003	1362069	Gear, Intermediate, 5.33 Linespacing

Estimated Install Time: 0.4 hrs.

7

Lexington
85-07-17
Revised 85-08-14

Redesigned Electronics

Machines Affected

6746, 6747 above approximately S/N0500000

General Information

Major engineering changes are being implemented in the "Wheelwriter"™ 3 Typewriter and "Wheelwriter"™ 5 Typewriter to enhance the manufacturing process. These changes consist of a complete redesign of the electronics in the machine. The typewriters' outward appearance and function remain unchanged. The "Wheelwriter" Typewriter Maintenance Library has been updated to reflect these changes. You must order form number S544-4047-2 from Mechanicsburg to obtain the updated Maintenance Library. To ensure that you are using the correct diagnostic procedures, you must verify which level of machine you are servicing. Service represen-

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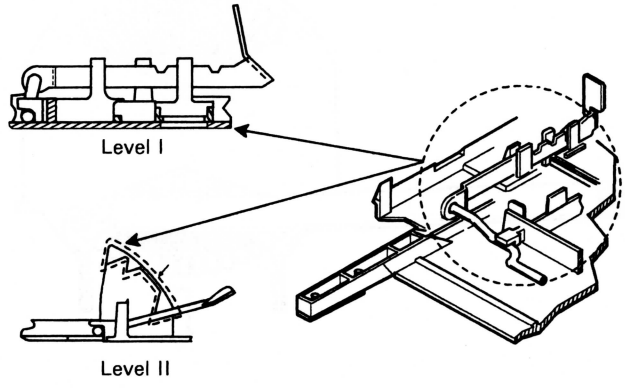
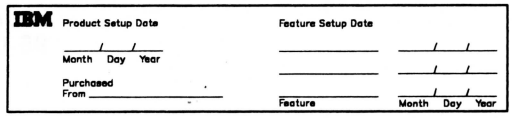
tatives can readily identify a Level II machine by the redesigned keyboard height adjusting lever (Figure 1).



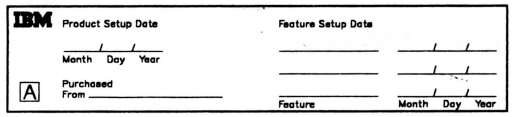
LEX10045

Figure 1

Customers may identify the Level II machines by the installation sticker on the Top Cover (Figure 2).



Level I



Level II

LEX41859

Figure 2

The identifier is a boxed letter A in the lower left hand corner of the installation sticker. The purpose of this identifier is to ensure the customer orders the correct level feature adaptors card when adding optional features to a machine.

Parts Information

Level II parts are not compatible with Level I machines (except battery holder). The following is a list of new parts required to support the Level II machine:

Mech/ Fig Ind	Part No.	Description
010-28	1356837	New Label Feature Installation Level 2
010-28	1317712	New Label Common Feature Installation
000-11	0111264	Fuse 200V and Above PWR LN FRU*
300-21	1246662	System Cable FRU 6746
300-21	1246684	System Cable FRU 6747
010-11	1356737	Cover FRU Bottom
040-9	1356738	Bail KYBD ADJ FRU
300-13	1356739	Cover Function Board FRU 6746
040-10	1356741	Bracket KYBD R/L.H FRU
300-13	1356937	Cover Function Board FRU 6747
600-10	1384281	Switch/Toggle Asm PWR LV FRU
300-15	1384282	Function Board FRU 6746*
300-4A	1384283	Printer Board FRU 6746*
600-13	1384284	Power Supply Board
600-15	1384285	Power Supply FRU 120/60
	1384286	Parts Pack FRU*
040-8	1384286	Keyboard Mounting Clip
300-13	1356742	Cover Function Board FRU 6746 WT
300-15	1384287	Function Board FRU 6746
600-15	1384288	Power Supply FRU 100/50-60
600-15	1384289	Power Supply FRU 112.5/50-60
600-15	1384290	Power Supply FRU 127/50-60
600-15	1384291	Power Supply FRU 200/50-60
600-15	1384292	Power Supply FRU 220/50-60
600-15	1384293	Power Supply FRU 230/50-60
600-15	1384294	Power Supply FRU 240/50-60
300-15	1384295	Function Board FRU 6747*
300-4A	1384296	Printer Board FRU 6747*
350-3A	1384297	Feature Adapt BD Asm FRU

* These parts should be added to the RPI Kit.

No additional training is required to service the Level II "Wheelwriter" Typewriter.

Note: The Operator Reference Cards have been eliminated and replaced with a new Operation Guide. Also, the machine dust cover has been discontinued and an improved dust cover has been put in place as a supply item.

8

Lexington
85-07-31

Maintenance Library - Level II

Machines Affected

6746, 6747

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General Information

A revised Wheelwriter™ Typewriter Maintenance Library is available for servicing **both** "Wheelwriter" 3 Typewriter and "Wheelwriter" 5 Typewriter, Level I and Level II, with all their respective options. The new maintenance library incorporates all updates to the existing "Wheelwriter" Typewriter Level I MAPs and some format changes in the parts section. The differences between Level I and Level II, are covered in SM 7. Listed below are the format changes:

- Deletion of the major/minor activity boxes in the top left corner.
- Replace the red lines with black lines.
- Delete duplication of common parts within a mechanism.

Major/Minor codes have been substituted with Mech Code/Figure Index. Use the Mech Code located at the bottom of the parts diagram (exploded view) for the Major Code, and use the Figure/Index number, located on the parts description page, for the Minor Code.

A section on "How to use the Parts Catalog" is located at the beginning of the Parts Section.

The new "Wheelwriter" Typewriter Maintenance Library must be used to service all "Wheelwriter" Typewriter Level II machines. Level I Maintenance Library is obsolete.

SLSS subscribers will automatically receive the new maintenance library. All others must order the manual using form number S544-4047-2 from Mechanicsburg.

9

Lexington
85-07-31
Revised 85-09-11

Print Wheel Cleaning Procedure

Machines Affected

6746, 6747

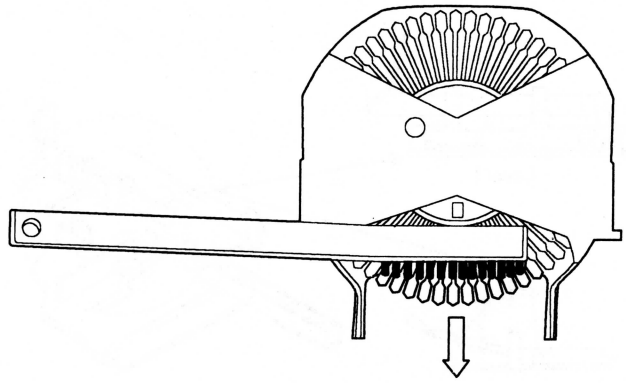
General Information

Customers using fabric ribbons on Wheelwriter™ Typewriters may occasionally need to clean their print wheels.

Customers should be instructed to clean the print wheel using mild soap and water with a brush. IBM Cleaning Brush, P/N0453536 or equivalent, may be used.

Customers should be CAUTIONED to gently brush print wheels from the center of the print wheel outward at the open end of the cartridge. (Figure 1)

Print wheels must be dry before reuse.



LEX40325

Figure 1

Note: Customers may order brush P/N0453536 from Greencastle by dialing (317) 658-2022.

10

Lexington
85-08-14

Transport Motor Assembly

Machines Affected

6746, 6747

General Information

All transport motor assemblies are now assembled to facilitate manufacturing of Level II machines. Level II motor assemblies have the transport motor mounted so that the motor connector is positioned at 12:00. When installing a transport motor assembly on Level I machines, remove the motor mounting screws (520-3) and rotate the motor so that the motor connector is positioned at 7:00 (front view).

11

Lexington
85-08-14

Wheelwriter® Typewriter Level II

Machines Affected

Serial Number Range 0500001-0530000

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General Information

Level II "Wheelwriter" typewriters within the specified serial number range may experience intermittent POR failures. When this failure occurs, replace the Power Supply Board.

Mech Fig/Index	Part No.	Description
600 13	1384284	Power Supply Board

Estimated Install Time: 0.5 Hrs. Use Service Code 33.

12

Lexington
85-08-14

Maintenance Library Correction

Machines Affected

6746, 6747

General Information

Mark the following correction in your new maintenance library, S544-4047-2.

On page 2-43 the (KEYBUTTON POSITIONS TO DRIVE/SENSE LINES) chart at the bottom of the page is labeled wrong.

The top of the chart should read: Sense Lines J2F.
The left side of the chart should read: Drive Lines J1F.

Incorrect

SENSE LINES J1F \ DRIVE LINES J2F	1	2	3	4	5	6	7	8
1								60
2	69	73	70	71	66	72	78	61
3	74	68	65		16	67	30	64
4								44 57
5		31	1	2	17		46	45
6		32		3	18		47	
7		33		4	19		48	
8	35	34	6	5	20	21	49	50
9	36	37	7	8	23	22	52	51
10		38	13	9	24	28	53	
11		39		10	25		54	
12	41	40	12	11	26	27	42	55
13		77	15	75	76		43	79
KEYBUTTON NUMBERS								

Correct

DRIVE LINES J1F \ SENSE LINES J2F	1	2	3	4	5	6	7	8
1								60
2	69	73	70	71	66	72	78	61
3	74	68	65		16	67	30	64
4								44 57
5		31	1	2	17		46	45
6		32		3	18		47	
7		33		4	19		48	
8	35	34	6	5	20	21	49	50
9	36	37	7	8	23	22	52	51
10		38	13	9	24	28	53	
11		39		10	25		54	
12	41	40	12	11	26	27	42	55
13		77	15	75	76		43	79
KEYBUTTON NUMBERS								

LEX40509

13

Lexington
85-08-14

Maintenance Library Correction

Machines Affected

6750

General Information

Mark the following correction in your new maintenance library, S544-4050-1.

On page 2-38, the (KEYBUTTON POSITIONS TO DRIVE/SENSE LINES) chart at the bottom of the page is labeled wrong.

The top of the chart should read: Sense Lines J2F.
The left side of the chart should read: Drive Lines J1F.

Incorrect

SENSE LINES J1F \ DRIVE LINES J2F	1	2	3	4	5	6	7	8
1								60
2	69	73	70	71	66	72	78	61
3	74	68	65		16	67	30	64
4								44 57
5		31	1	2	17		46	45
6		32		3	18		47	
7		33		4	19		48	
8	35	34	6	5	20	21	49	50
9	36	37	7	8	23	22	52	51
10		38	13	9	24	28	53	
11		39		10	25		54	
12	41	40	12	11	26	27	42	55
13		77	15	75	76		43	79
KEYBUTTON NUMBERS								

Correct

DRIVE LINES J1F \ SENSE LINES J2F	1	2	3	4	5	6	7	8
1								60
2	69	73	70	71	66	72	78	61
3	74	68	65		16	67	30	64
4								44 57
5		31	1	2	17		46	45
6		32		3	18		47	
7		33		4	19		48	
8	35	34	6	5	20	21	49	50
9	36	37	7	8	23	22	52	51
10		38	13	9	24	28	53	
11		39		10	25		54	
12	41	40	12	11	26	27	42	55
13		77	15	75	76		43	79
KEYBUTTON NUMBERS								

LEX40509

14

Lexington
85-09-25

Cardholder Retainer Clip

Machines Affected

6746, 6747

General Information

Cardholder retainer clips are now available for the IBM Wheelwriter™ 3 and 5 typewriters. The purpose of the clip is to limit the distance the cardholder can move away from the platen, under certain applications (that is, thick stock, multi-page documents, thick envelopes, etc.), and interfere with ribbon cassette movement.

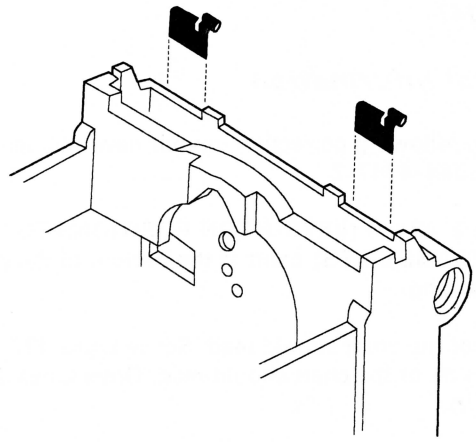
If experiencing application problems that result in ribbon take-up or breakage problems, the following action should be taken:

1. Check ribbon and correcting tape diagnostics.
2. Ensure that the Level II cardholder is installed (see SM 3).
3. Install the cardholder retainer clips.

Installation Procedures

1. Lift open the top cover.
2. Remove ribbon cassette and print wheel.
3. Remove platen and deflector.
4. Move carrier to one side and remove the paper feed roller assembly (maj. 230 min. 04 or 05).
5. While holding the cardholder towards the rear, insert clips (Figure 1) on the rear carrier casting (Figure 2) with the flat side towards the front.

   Note: Can be inserted by using fingers; however, pliers may be used.
6. Reinstall the parts specified in Steps 2, 3, and 4.
7. Form the top of the clip to just touch the cardholder at rest.
8. Check all applications **after** installation.



LEX40340

Figure 1

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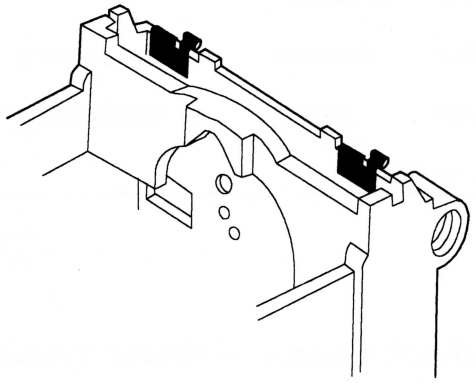

LEX40341

Figure 2

Parts Information

Mech/Ref		Part No.	Description
500	029	1362526	Cardholder Retainer Clip (2 required)

Use Applicable Service Code

15

Lexington
85-10-09

Foam Insulation

Machines Affected

6746, 6747, 6750

General Information

Foam insulation for the paper bail lever slot in the top cover is now available as a field replacement part. This foam insulation, with a slight modification, may also be used for the paper release lever slot.

Mech/Ref		Part No.	Description
010	029	1337458	Foam Insulation

16

Lexington
85-10-23
Revised 85-11-20

Ribbon - Handling

Machines Affected

6746, 6747

General Information

All Selectric® System/2000 typewriters, with the exception of the Quietwriter® 7 Typewriter, are now shipped with the ribbon cartridge in the typewriter accessory kit rather than installed on the typewriter. This was done to minimize ribbon feed failures out-of-box due to the ribbon supply spool outer wrap slipping off the supply spool. New Wheelwriter® ribbons are manufactured with an adhesive tape on the leader edge to minimize this problem.

When transporting ANY "Selectric" System/2000 typewriter, remove the ribbon cartridge. This will also assist in minimizing ribbon feed failures.

When servicing any "Selectric" System/2000 typewriter and removal of the ribbon is required, care should be exercised in handling of the cartridge. Upon reinstallation of the ribbon cartridge, check for proper operation by typing at least 5 to 8 lines of text.

17

Lexington
85-10-23
Revised 85-11-20

Ribbons - Applications

Machines Affected

6750

General Information

IBM Quiet™ Correcting Ribbon

The IBM "Quiet" Correcting Ribbon is recommended for general typing and high quality corrections, especially on smooth papers. This ribbon has wide, general applicability, and is suitable for most office environments. It should not be used for bank checks, other negotiable instruments or similar documents, or direct image offset masters.

©IBM Corp. 1985

IBM Quiet™ High Density Correcting Ribbon

The IBM "Quiet" High Density Correcting Ribbon differs from the existing IBM "Quiet" Correcting Ribbon in the following respects.

- Darker, bolder print
- Greater durability (adhesion/abrasion characteristics)
- May require the use of the "double correct" mode on the typewriter.

This ribbon has been specifically designed to print upon rough papers or hard-to-image surfaces. Customers experiencing light printing due to very rough papers or other reasons may note improvement with this ribbon. This ribbon must not be used for negotiable instruments or other similar documents.

IBM Quiet™ Non-Correcting Ribbon

The IBM "Quiet" Non-Correcting Ribbon will provide a darker, bolder print that is indelible. This ribbon is recommended for use on bank checks, other negotiable instruments and similar documents, but not for direct image offset masters.

18

Lexington
85-10-23

Correction Improvement

Machines Affected

6750 Plant installed above approximately S/N0128190

General Information

The Quietwriter® 7 typewriter print and correction currents (controlled by the EPROM located on the function card) were changed to broaden the operators' selection of print and correction settings. There are two methods of identifying the new EPROM:

1. The number 1362476 on the EPROM label. This number is for identification only—not for parts ordering.
2. The code F test prints IBM/y&.

If the customer experiences correction failures, such as block printing when correcting in the higher print settings, complete the procedures outlined in SM 4. If acceptable correction quality cannot be achieved, install the new EPROM.

EPROMs and installation instructions are now available for field use.

Parts Information

Mech/Ref	Part No.	Description
300 030	1384605	EPROM B/M

Use Service Code 33.

19

Lexington
85-11-20

Spellcheck Boards — World Trade Applications

Machines Affected

6746, 6747, 6750

General Information

The following Spellcheck boards are now available. These boards are interchangeable between the Wheelwriter® Level 1 and 2 and the Quietwriter® typewriter.

Parts Information

Fig/Ind	Part No.	Description
010 4	1434800	Spellcheck Board — German
	1434810	Spellcheck Board — French
	1434820	Spellcheck Board — Dutch
	1434830	Spellcheck Board — Spanish
	1434840	Spellcheck Board — Italian
	1434850	Spellcheck Board — Canadian French
	1434870	Spellcheck Board — Danish

20

Lexington
86-07-16

SAPI Switch Redesigned

Machines Affected

6746, 6747, 6750, 6770, 6780, 5201, 5223

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General Information

The SAPI Switch for the Selectric System 2000 Typewriter/Printer family has been redesigned to improve reliability. The following enhancements have been made to the switch casting and mounting:

- Plastic material has been strengthened with the addition of glass fiber.
- Added internal rib for Shunt Arm Stop.
- Actuator Magnet has a protective ledge added to the casting.
- Improved visibility for connecting rear lead.
- Larger Locating Lug.
- More material added in critical corner locations to reduce stress concentrations.
- Mounting Screw improved with raised shoulder and lock washer (this screw can be installed using the #10 wrench P/N9900103).

Parts Information

Fig/Ind	Part No.	Description
230/11	1317502	SAPI Switch
230/13	1362841	Mounting Screw

Use Service Code 32.

21

Lexington
86-07-16

SAPI Problem Determination

Machines Affected

6746, 6747, 6750, 6770, 6780

General Information

If experiencing system busy, spontaneous printout, varying margins/tabs PORs while typing, or any unusual problem after using the Semi-Automatic Paper Insertion (SAPI) feature, remove the SAPI switch (Mech 230 Ref 11) and check it carefully. Inspect the switch for loose pin connections, broken glass envelope, oxidation residue on switch housing, or cable leads shorted to the frame of the machine. Correct these conditions and/or replace the SAPI switch as required.

22

Lexington
86-07-16

L/H Paper Bail Arm

Machines Affected

6746, 6747, 6750, 6770, 6780, 5201, 5223

General Information

The left paper bail arm for the Selectric® System/2000 Typewriters, Systems, and Printers is now available as an individual part.

Parts Information

Mech/Ref	Part No.	Description
230/16	1362388	Typewriters/Systems
230/17	1362388	Printers

Use Applicable Service Code.

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IBM Quiet™ High Density Correcting Ribbon

The IBM "Quiet" High Density Correcting Ribbon differs from the existing IBM "Quiet" Correcting Ribbon in the following respects.

- Darker, bolder print
- Greater durability (adhesion/abrasion characteristics)
- May require the use of the "double correct" mode on the typewriter.

This ribbon has been specifically designed to print upon rough papers or hard-to-image surfaces. Customers experiencing light printing due to very rough papers or other reasons may note improvement with this ribbon. This ribbon must not be used for negotiable instruments or other similar documents.

IBM Quiet™ Non-Correcting Ribbon

The IBM "Quiet" Non-Correcting Ribbon will provide a darker, bolder print that is indelible. This ribbon is recommended for use on bank checks, other negotiable instruments and similar documents, but not for direct image offset masters.

18 Lexington 85-10-23

Correction Improvement

Machines Affected

6750 Plant installed above approximately S/N0128190

General Information

The Quietwriter® 7 typewriter print and correction currents (controlled by the EPROM located on the function card) were changed to broaden the operators' selection of print and correction settings. There are two methods of identifying the new EPROM:

1. The number 1362476 on the EPROM label. This number is for identification only—not for parts ordering.
2. The code F test prints IBM/y&.

If the customer experiences correction failures, such as block printing when correcting in the higher print settings, complete the procedures outlined in SM 4. If acceptable correction quality cannot be achieved, install the new EPROM.

EPROMs and installation instructions are now available for field use.

Parts Information

Mech/Ref		Part No.	Description
300	030	1384605	EPROM B/M

Use Service Code 33.

19 Lexington 85-11-20

Obsolete 86-09-10

Spellcheck Boards — World Trade Applications

Machines Affected

6746, 6747, 6750

General Information

The following Spellcheck boards are now available. These boards are interchangeable between the Wheelwriter® Level 1 and 2 and the Quietwriter® typewriter.

Parts Information

Fig/Ind	Part No.	Description
010 4	1434800	Spellcheck Board — German
	1434810	Spellcheck Board — French
	1434820	Spellcheck Board — Dutch
	1434830	Spellcheck Board — Spanish
	1434840	Spellcheck Board — Italian
	1434850	Spellcheck Board — Canadian French
	1434870	Spellcheck Board — Danish

20 Lexington 86-07-16

SAPI Switch Redesigned

Machines Affected

6746, 6747, 6750, 6770, 6780, 5201, 5223

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General Information

The SAPI Switch for the Selectric System 2000 Typewriter/Printer family has been redesigned to improve reliability. The following enhancements have been made to the switch casting and mounting:

- Plastic material has been strengthened with the addition of glass fiber.
- Added internal rib for Shunt Arm Stop.
- Actuator Magnet has a protective ledge added to the casting.
- Improved visibility for connecting rear lead.
- Larger Locating Lug.
- More material added in critical corner locations to reduce stress concentrations.
- Mounting Screw improved with raised shoulder and lock washer (this screw can be installed using the #10 wrench P/N9900103).

Parts Information

Fig/Ind	Part No.	Description
230/11	1317502	SAPI Switch
230/13	1362841	Mounting Screw

Use Service Code 32.

21

Lexington
86-07-16

SAPI Problem Determination

Machines Affected

6746, 6747, 6750, 6770, 6780

General Information

If experiencing system busy, spontaneous printout, varying margins/tabs PORs while typing, or any unusual problem after using the Semi-Automatic Paper Insertion (SAPI) feature, remove the SAPI switch (Mech 230 Ref 11) and check it carefully. Inspect the switch for loose pin connections, broken glass envelope, oxidation residue on switch housing, or cable leads shorted to the frame of the machine. Correct these conditions and/or replace the SAPI switch as required.

22

Lexington
86-07-16

L/H Paper Bail Arm

Machines Affected

6746, 6747, 6750, 6770, 6780, 5201, 5223

General Information

The left paper bail arm for the Selectric® System/2000 Typewriters, Systems, and Printers is now available as an individual part.

Parts Information

Mech/Ref	Part No.	Description
230/16	1362388	Typewriters/Systems
230/17	1362388	Printers

Use Applicable Service Code.

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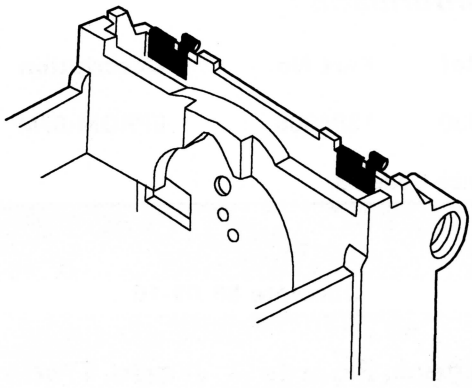

LEX40341

Figure 2

Parts Information

Mech/Ref	Part No.	Description
500 029	1362526	Cardholder Retainer Clip (2 required)

Use Applicable Service Code

15

Lexington
85-10-09

Foam Insulation

Machines Affected

6746, 6747, 6750

General Information

Foam insulation for the paper bail lever slot in the top cover is now available as a field replacement part. This foam insulation, with a slight modification, may also be used for the paper release lever slot.

Mech/Ref	Part No.	Description
010 029	1337458	Foam Insulation

16

Lexington
85-10-23
Revised 85-11-20

Ribbon - Handling

Machines Affected

6746, 6747

General Information

All Selectric® System/2000 typewriters, with the exception of the Quietwriter® 7 Typewriter, are now shipped with the ribbon cartridge in the typewriter accessory kit rather than installed on the typewriter. This was done to minimize ribbon feed failures out-of-box due to the ribbon supply spool outer wrap slipping off the supply spool. New Wheelwriter® ribbons are manufactured with an adhesive tape on the leader edge to minimize this problem.

When transporting ANY "Selectric" System/2000 typewriter, remove the ribbon cartridge. This will also assist in minimizing ribbon feed failures.

When servicing any "Selectric" System/2000 typewriter and removal of the ribbon is required, care should be exercised in handling of the cartridge. Upon reinstallation of the ribbon cartridge, check for proper operation by typing at least 5 to 8 lines of text.

17

Lexington
85-10-23
Revised 85-11-20

Ribbons - Applications

Machines Affected

6750

General Information

IBM Quiet™ Correcting Ribbon

The IBM "Quiet" Correcting Ribbon is recommended for general typing and high quality corrections, especially on smooth papers. This ribbon has wide, general applicability, and is suitable for most office environments. It should not be used for bank checks, other negotiable instruments or similar documents, or direct image offset masters.

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IBM Quiet™ High Density Correcting Ribbon

The IBM "Quiet" High Density Correcting Ribbon differs from the existing IBM "Quiet" Correcting Ribbon in the following respects.

- Darker, bolder print
- Greater durability (adhesion/abrasion characteristics)
- May require the use of the "double correct" mode on the typewriter.

This ribbon has been specifically designed to print upon rough papers or hard-to-image surfaces. Customers experiencing light printing due to very rough papers or other reasons may note improvement with this ribbon. This ribbon must not be used for negotiable instruments or other similar documents.

IBM Quiet™ Non-Correcting Ribbon

The IBM "Quiet" Non-Correcting Ribbon will provide a darker, bolder print that is indelible. This ribbon is recommended for use on bank checks, other negotiable instruments and similar documents, but not for direct image offset masters.

18 Lexington 85-10-23

Correction Improvement

Machines Affected

6750 Plant installed above approximately S/N0128190

General Information

The Quietwriter® 7 typewriter print and correction currents (controlled by the EPROM located on the function card) were changed to broaden the operators' selection of print and correction settings. There are two methods of identifying the new EPROM:

1. The number 1362476 on the EPROM label. This number is for identification only—not for parts ordering.
2. The code F test prints IBM/y&.

If the customer experiences correction failures, such as block printing when correcting in the higher print settings, complete the procedures outlined in SM 4. If acceptable correction quality cannot be achieved, install the new EPROM.

EPROMs and installation instructions are now available for field use.

Parts Information

Mech/Ref		Part No.	Description
300	030	1384605	EPROM B/M

Use Service Code 33.

19 Lexington 85-11-20

Obsolete 86-09-10

Spellcheck Boards — World Trade Applications

Machines Affected

6746, 6747, 6750

General Information

The following Spellcheck boards are now available. These boards are interchangeable between the Wheelwriter® Level 1 and 2 and the Quietwriter® typewriter.

Parts Information

Fig/Ind	Part No.	Description
010 4	1434800	Spellcheck Board — German
	1434810	Spellcheck Board — French
	1434820	Spellcheck Board — Dutch
	1434830	Spellcheck Board — Spanish
	1434840	Spellcheck Board — Italian
	1434850	Spellcheck Board — Canadian French
	1434870	Spellcheck Board — Danish

20 Lexington 86-07-16

SAPI Switch Redesigned

Machines Affected

6746, 6747, 6750, 6770, 6780, 5201, 5223

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General Information

The SAPI Switch for the Selectric System 2000 Typewriter/Printer family has been redesigned to improve reliability. The following enhancements have been made to the switch casting and mounting:

- Plastic material has been strengthened with the addition of glass fiber.
- Added internal rib for Shunt Arm Stop.
- Actuator Magnet has a protective ledge added to the casting.
- Improved visibility for connecting rear lead.
- Larger Locating Lug.
- More material added in critical corner locations to reduce stress concentrations.
- Mounting Screw improved with raised shoulder and lock washer (this screw can be installed using the #10 wrench P/N9900103).

Parts Information

Fig/Ind	Part No.	Description
230/11	1317502	SAPI Switch
230/13	1362841	Mounting Screw

Use Service Code 32.

21

Lexington
86-07-16

SAPI Problem Determination

Machines Affected

6746, 6747, 6750, 6770, 6780

General Information

If experiencing system busy, spontaneous printout, varying margins/tabs PORs while typing, or any unusual problem after using the Semi-Automatic Paper Insertion (SAPI) feature, remove the SAPI switch (Mech 230 Ref 11) and check it carefully. Inspect the switch for loose pin connections, broken glass envelope, oxidation residue on switch housing, or cable leads shorted to the frame of the machine. Correct these conditions and/or replace the SAPI switch as required.

22

Lexington
86-07-16

L/H Paper Bail Arm

Machines Affected

6746, 6747, 6750, 6770, 6780, 5201, 5223

General Information

The left paper bail arm for the Selectric® System/2000 Typewriters, Systems, and Printers is now available as an individual part.

Parts Information

Mech/Ref	Part No.	Description
230/16	1362388	Typewriters/Systems
230/17	1362388	Printers

Use Applicable Service Code.

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ZIF Connector Operation 4

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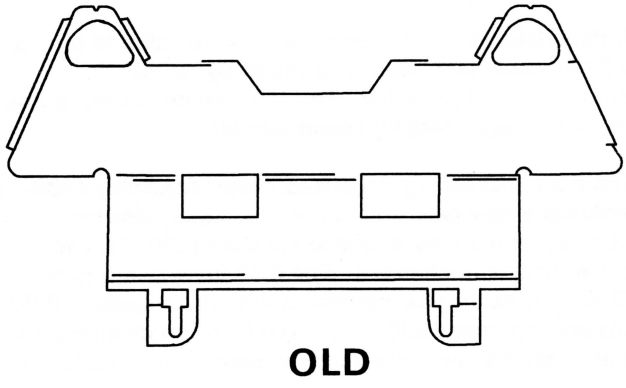
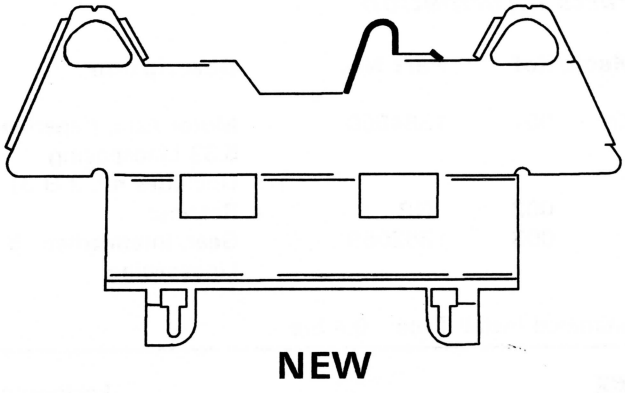


LEX40902

Figure 1



LEX40901

Figure 2

Parts Information

Mech/Ref	Part No.	Description
500 9	1342462	Cardholder

Use Service Code 33. This SM expires 03-31-86.

4

Lexington
85-01-30
Revised 85-04-24

Print/Correction Problem Diagnosis

Machines Affected

6750

When experiencing print/correction quality problems run the Print Sample Chart (Code + F) to identify the **BEST** mode of operation. Customers are instructed to perform this check in the Operator's Manual. If the BEST mode of operation is unacceptable to the Customer, supplies/environmental factors, which are listed in order of probability, should be ruled out as factors before proceeding with the Print Quality Diagnostics in the Maintenance Library.

Paper	Refer to the Operator's Manual - Paper Recommendations.
Environment	Refer to SM No. 1 for operating limits. (See Note below.)
Printhead	Refer to the Operator's Manual - Print Quality Problems.
Ribbons	Refer to the Operator's Manual - Print Quality Problems.

Note: High temperature and high humidity adversely affects correction quality. A lower print control setting normally provides best results in this environment. Cold temperatures and low humidity adversely affect print quality. A higher print control setting normally provides best results in this environment.

Print Quality Diagnostics presume that the printhead is functioning properly. The printhead is available under the P/N listed below, which will be included in the revision of the Maintenance Library. (The printhead is a supply item, and is not to be replaced by the service representative as a maintenance part.)

When performing print quality diagnostics, ensure that the following are correct.

1. (Adj. 3) Adjust card holder so that the printhead and pressure bar clear the opening in the card holder.
2. Check to see that the head bias spring (500/25A) is located in the proper notch as indicated on the ribbon plate.

Parts Information

Mech/Ref	Part No.	Description
500 002	1337488	Printhead

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5

Lexington
85-05-08

Function Card Redesigned

Machines Affected

6750

General Information

Plant-installed above approximately S/N0059777.

The function card for the IBM Quietwriter® 7 Typewriter has been redesigned to increase the printhead current in print positions 4 and 5. The printhead current in all other print positions is the same as the early level function card. To identify the new level function card, note the year printed on the label of the pluggable EPROM (EPROM is located in the center of the function card). All EPROMs dated 1985 identify a new level function card.

When experiencing print quality problems, complete the procedures outlined in SM 4. After completing these procedures, if acceptable print quality cannot be achieved using print position 4 or 5, install the new function card.

Note: Installation of the new function card cannot guarantee print and correction quality outside the limits of the operating range (temperature/humidity) or on non-recommended papers.

Parts Information

Mech/Ref		Part No.	Description
300	19	1384561	Function Card

6

Lexington
85-07-17
Revised 85-08-14

Paperfeed Motor Assembly - 5.33 Linespacing

Machines Affected

6746, 6747

General Information

A Paperfeed Motor Assembly is now available to provide 5.33 lines per inch vertical linespacing on the Wheelwriter® Typewriter. This application is used primarily in the legal industry (court record).

The 5.33 linespacing Paperfeed Motor Assembly (230-1) includes a new gear pressed on the motor, retainer (230-2), and a new Intermediate Gear (230-3). The platen gear is unchanged. The 5.33 linespacing parts (230-1,3) cannot be intermixed with the standard (6.00) linespacing parts (230-1,3). NOTE: When changing the platen, ensure the correct Intermediate Gear is replaced.

The 5.33 linespacing Paperfeed Motor Assembly is available for field installation only. Customers should be billed for parts and labor at the current baseline per call rate.

Parts Information

Mech/Ref		Part No.	Description
230	001	1384560	Motor Asm, Paperfeed, 5.33 Linespacing (Includes ref. 2 & 3)
	002	NP	Retainer
	003	1362069	Gear, Intermediate, 5.33 Linespacing

Estimated Install Time: 0.4 hrs.

7

Lexington
85-07-17
Revised 86-10-08

Electronics - Redesigned

Machines Affected

6746, 6747 above approximately S/N0500000

General Information

Major engineering changes are being implemented in the Wheelwriter® 3 Typewriter and Wheelwriter® 5 Typewriter to enhance the manufacturing process. These changes consist of a complete redesign of the electronics in the machine. The typewriters' outward appearance and function remain unchanged. The "Wheelwriter" Typewriter Maintenance Library has been updated to reflect these changes. You must order form number S544-4047-2 from Mechanicsburg to obtain the updated Maintenance Library. To ensure that you are using the correct diagnostic procedures, you must verify which level of machine you are servicing. Service represen-

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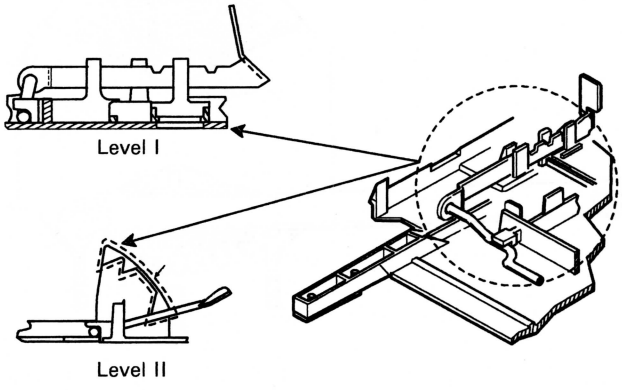
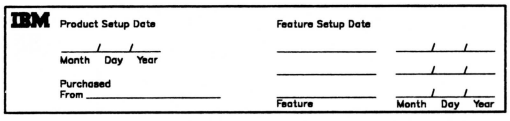
tatives can readily identify a Level II machine by the redesigned keyboard height adjusting lever (Figure 1).



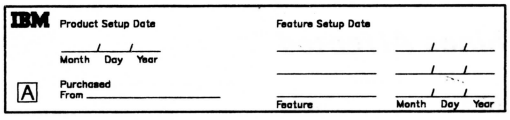
LEX10045

Figure 1

Customers may identify the Level II machines by the installation sticker on the Top Cover (Figure 2).



Level I



Level II

LEX41859

Figure 2

The identifier is a boxed letter A in the lower left hand corner of the installation sticker. The purpose of this identifier is to ensure the customer orders the correct level feature adaptors card when adding optional features to a machine.

Parts Information

Level II parts are not compatible with Level I machines (except battery holder). The following is a list of new parts required to support the Level II machine:

Mech/ Fig Ind	Part No.	Description
010-28	1356837	New Label Feature Installation Level 2
010-28	1317712	New Label Common Feature Installation
000-11	0111264	Fuse 200V and Above PWR LN FRU*
300-21	1246662	System Cable FRU 6746
300-21	1246684	System Cable FRU 6747
010-11	1356737	Cover FRU Bottom
040-9	1356738	Bail KYBD ADJ FRU
300-13	1356739	Cover Function Board FRU 6746
040-10	1356741	Bracket KYBD R/L.H FRU
300-13	1356937	Cover Function Board FRU 6747
600-10	1384281	Switch/Toggle Asm PWR LV FRU
300-15	1384282	Function Board FRU 6746*
300-4A	1384283	Printer Board FRU 6746*
600-13	1384284	Power Supply Board
600-15	1384285	Power Supply FRU 120/60
	1384286	Parts Pack FRU*
040-8	1384286	Keyboard Mounting Clip
300-13	1356742	Cover Function Board FRU 6746 WT
300-15	1384287	Function Board FRU 6746
600-15	1384288	Power Supply FRU 100/50-60
600-15	1384289	Power Supply FRU 112.5/50-60
600-15	1384290	Power Supply FRU 127/50-60
600-15	1384291	Power Supply FRU 200/50-60
600-15	1384292	Power Supply FRU 220/50-60
600-15	1384293	Power Supply FRU 230/50-60
600-15	1384294	Power Supply FRU 240/50-60
300-15	1384295	Function Board FRU 6747*
300-4A	1384296	Printer Board FRU 6747*
350-3A	1384297	Feature Adapt BD Asm FRU

* These parts should be added to the RPI Kit.

No additional training is required to service the Level II "Wheelwriter" Typewriter.

Note: The Operator Reference Cards have been eliminated and replaced with a new Operation Guide. Also, the machine dust cover has been discontinued and an improved dust cover has been put in place as a supply item.

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Lexington
85-07-31

Maintenance Library - Level II

Machines Affected

6746, 6747

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General Information

A revised Wheelwriter® Typewriter Maintenance Library is available for servicing **both** "Wheelwriter" 3 Typewriter and "Wheelwriter" 5 Typewriter, Level I and Level II, with all their respective options. The new maintenance library incorporates all updates to the existing "Wheelwriter" Typewriter Level I MAPs and some format changes in the parts section. The differences between Level I and Level II, are covered in SM 7. Listed below are the format changes:

- Deletion of the major/minor activity boxes in the top left corner.
- Replace the red lines with black lines.
- Delete duplication of common parts within a mechanism.

Major/Minor codes have been substituted with Mech Code/Figure Index. Use the Mech Code located at the bottom of the parts diagram (exploded view) for the Major Code, and use the Figure/Index number, located on the parts description page, for the Minor Code.

A section on "How to use the Parts Catalog" is located at the beginning of the Parts Section.

The new "Wheelwriter" Typewriter Maintenance Library must be used to service all "Wheelwriter" Typewriter Level II machines. Level I Maintenance Library is obsolete.

SLSS subscribers will automatically receive the new maintenance library. All others must order the manual using form number S544-4047-2 from Mechanicsburg.

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Lexington
85-07-31
Revised 85-09-11

Print Wheel Cleaning Procedure

Machines Affected

6746, 6747

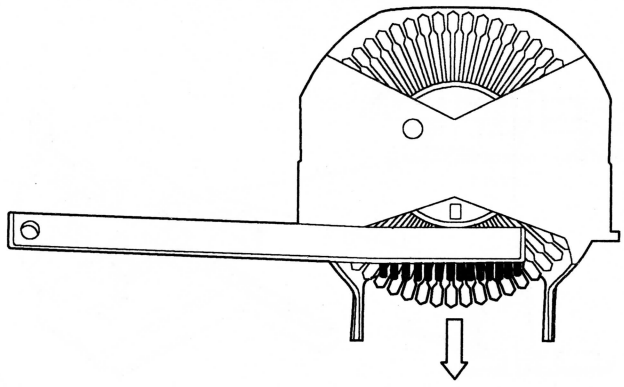
General Information

Customers using fabric ribbons on Wheelwriter® Typewriters may occasionally need to clean their print wheels.

Customers should be instructed to clean the print wheel using mild soap and water with a brush. IBM Cleaning Brush, P/N0453536 or equivalent, may be used.

Customers should be CAUTIONED to gently brush print wheels from the center of the print wheel outward at the open end of the cartridge. (Figure 1)

Print wheels must be dry before reuse.



LEX40325

Figure 1

Note: Customers may order brush P/N0453536 from Greencastle by dialing (317) 658-2022.

10

Lexington
85-08-14

Transport Motor Assembly

Machines Affected

6746, 6747

General Information

All transport motor assemblies are now assembled to facilitate manufacturing of Level II machines. Level II motor assemblies have the transport motor mounted so that the motor connector is positioned at 12:00. When installing a transport motor assembly on Level I machines, remove the motor mounting screws (520-3) and rotate the motor so that the motor connector is positioned at 7:00 (front view).

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Lexington
85-08-14

Wheelwriter® Typewriter Level II

Machines Affected

Serial Number Range 0500001-0530000

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